

Democratic and Popular Republic of Algeria  
Ministry of Higher Education and Scientific Research  
Abdelhafid Boussouf University Center of Mila  
Institute of Sciences and Technology  
Department of Process Engineerin

# METHODOLOGY

OF

# PRESENTATION

*Educational print directed to first-year students of the  
common branch of science and technology*

*Established by:*

*Dr. BAATOUCHE SAMIA*

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## **Introduction**

### **Introduction**

Oral communication is a key skill in today's academic, professional, and social environments. The ability to convey ideas clearly, structure a speech effectively, engage an audience, and use visual aids properly are all essential for delivering successful presentations.

The Presentation Methodology module aims to equip learners with the necessary tools and techniques to prepare and deliver impactful and well-organized presentations. It covers all stages of the presentation process—from understanding the target audience and defining objectives to managing stress and performing confidently on the day of the presentation.

This module also emphasizes the importance of non-verbal communication such as body language, tone of voice, and eye contact, as well as the use of digital tools like PowerPoint and Canva to support and enhance spoken content.

Ultimately, this course is designed to build self-confidence, improve public speaking skills, and promote professional communication practices in both academic and professional settings.

Accordingly, this reference primarily comes to first-year students of the common core of science and technology.

## Course Objectives

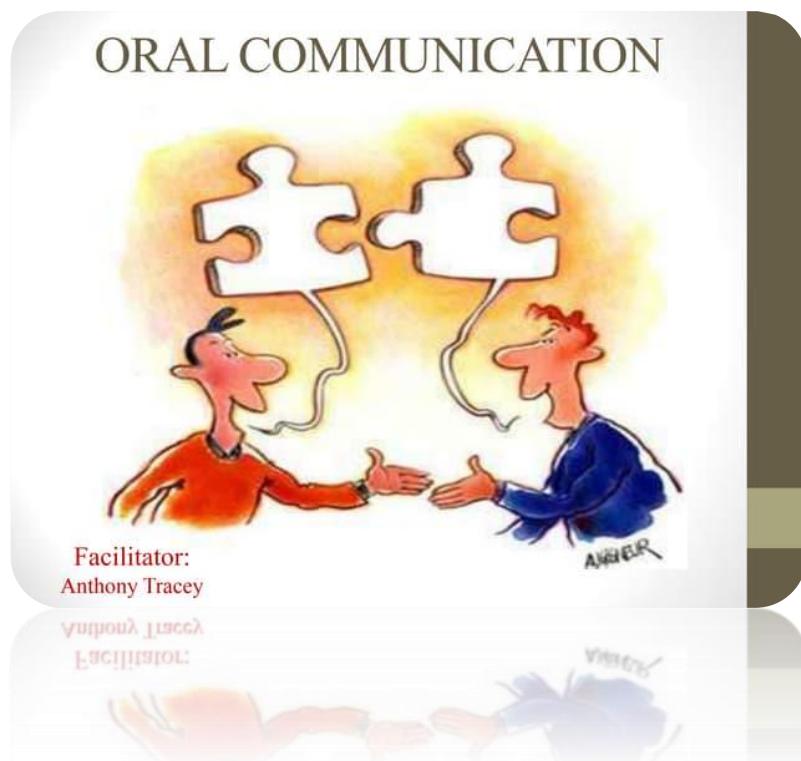
By the end of this module, learners will be able to:

- ✓ Understand the principles of effective communication in oral presentations.
- ✓ Plan and structure a presentation logically, with a clear introduction, body, and conclusion.
- ✓ Identify the needs and expectations of different types of audiences.
- ✓ Develop engaging content that is adapted to the topic, audience, and time constraints.
- ✓ Use visual aids and digital tools (e.g., PowerPoint, Canva) effectively to support the message.
- ✓ Apply verbal and non-verbal communication skills, including voice modulation, body language, and eye contact.
- ✓ Manage presentation anxiety and build confidence in public speaking.
- ✓ Respond appropriately to questions and feedback from the audience.
- ✓ Work individually or in groups to prepare and deliver professional-level presentations.
- ✓ Evaluate and reflect on one's own performance and that of others to improve future presentations.



# Chapter 1

## Oral presentation



## Chapter I: Oral presentation

# Chapter I

## Oral presentation

### 1. Oral communication

#### 1.1 Definition

Oral communication is the transfer of information from sender to receiver by verbal and visual means in the presence of the both. The main feature of oral communication is its richness, as it is considered a means of rapid and direct communication. As is the case in speeches, discussions, etc.

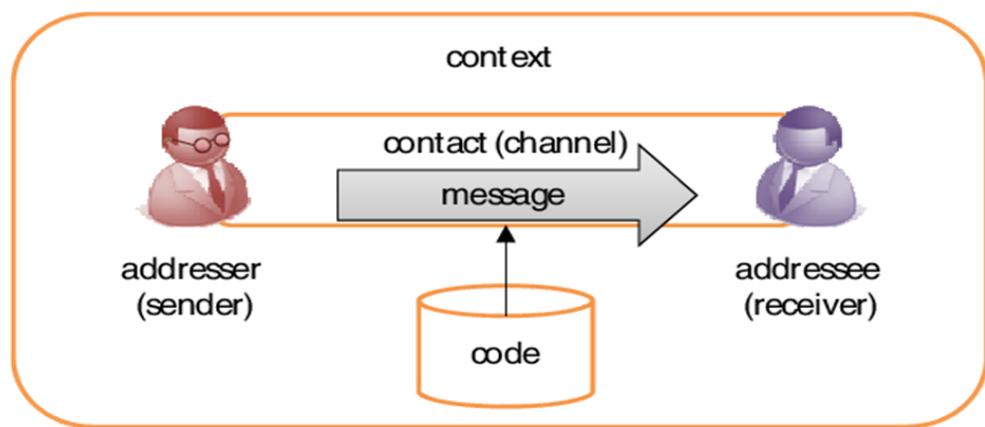
#### 1.2 Oral communication system (*Jakobson's Model*)

According to Jakobson, in any communication situation these elements must manifest themselves. It does not matter what conditions contribute to the realization of this action. These elements are: a transmitter, a receiver, a message, a channel, a code and a referent.

- **The Sender:** is the person whether it is an individual or a group of people (a company) who sends the message, this means that the sender must have the intention of communication.
- **The receiver:** is the one who receives and decodes the message. In a debate or conversation, the receiver and the transmitter can exchange roles.
- **The code:** is signs used by the receiver to transmit his message, these signs are manifested in oral or written form. There are two types of code: it can be verbal like language or non-verbal like gestures, facial expressions, looks.
- **The message:** is the information that is circulated between the transmitter and the receiver. This information contains an assembly of signs that have meaning.
- **The channel or contact:** is the medium through which the message is transmitted. We can communicate with others over the phone, online on a Zoom call or via Face Time.
- **Context (Referent):** The situation, object, or idea to which the message refers. It gives meaning to the message and helps the receiver interpret it correctly.

## Chapter I: Oral presentation

Here is the diagram proposed by Jakobson which summarizes the components of communication:



**Diagram 1:** the Oral Communication System

### 1.3. Types of oral communication

Generally, we can distinguish three types of oral communication: verbal communication and non-verbal communication. Para-verbal communication.

#### 2.3.1 Verbal communication

Verbal communication involves the exchange of thoughts, feelings and ideas using spoken words. Its effectiveness depends upon various aspects, including the choice of words, tone and clarity of speech.

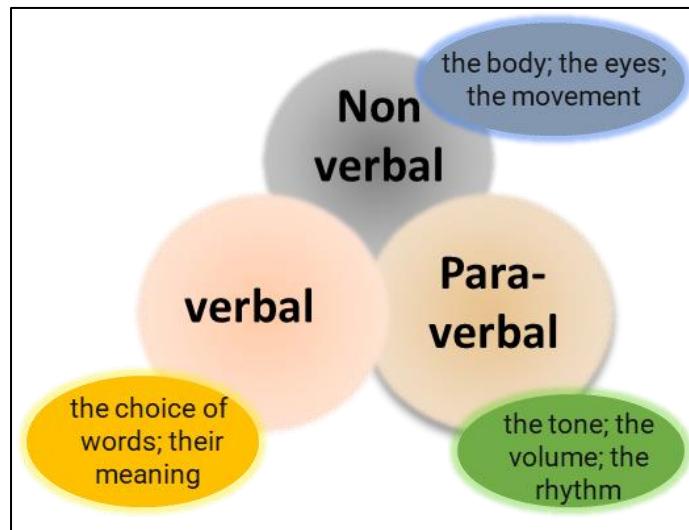
#### 1.3.2. Non-verbal communication

is a type of communication based on the use of non-verbal signs for example gesture, facial expression, gaze, tone of voice, facial expressions, color. Nonverbal signs play an important role in transmitting the message sometimes they are stronger than words but we cannot use them alone, they must be accompanied by a verbal code otherwise several false interpretations will arise.

#### 1.3.3. Para-verbal Communication

is a component of nonverbal communication that concerns the aspects of voice and vocal expression that accompany verbal language, but do not have semantic meaning. Professor Mehrabian states that the paraverbal message represents approximately 38% of what is communicated to someone.

## Chapter I: Oral presentation



**Diagram 2:** the types of oral communication.

### 1.4. The objectives of using oral communication

Oral communication is used to convey opinions, emotions, ideas, beliefs and other information in many everyday situations. It also includes: interventions, discussions, lectures, interviews, etc.

#### 1.4.1. Advantages of Oral Communication

- ✓ This method of communication is fast and direct.
- ✓ This method of communication allows for immediate feedback and is therefore a form of two-way communication that can be activated.
- ✓ The other main advantage of this method of communication is that it helps in conveying the message with the desired pitch and tone of the message.
- ✓ It also saves a lot of time and effort.
- ✓ This communication, associated with an appropriate type of verbal communication, oral forms can create trust and loyalty from the sender to the recipient side.

#### 1.4.2. Disadvantages of oral communication

- ✓ This method of communication can be misinterpreted very easily.
- ✓ The listener cannot retain verbal messages in his memory for a long time.
- ✓ Oral communications are often considered informal.
- ✓ Effective oral communication requires good speaking skills. Less confident people may have difficulty expressing their ideas clearly, which prevents effective communication.

## **Chapter I: Oral presentation**

### **2. Preparing an oral presentation**

Preparing an oral presentation for a defense means moving from a written work to an oral communication. Preparing the presentation is essential to gain confidence and convey your message clearly and convincingly. Going through these steps:

#### **2.1. Planning and Structure**

Planning a presentation is the first step in preparing and conveying information in an organized and visual manner. A good presentation requires careful planning to ensure that the presenter understands what they are presenting and how to convey the message effectively. So, before you start working on designing your presentation, first write down on a sheet of paper the work plan that should be based on several important points:

- Gather the key information from the thesis and organize it in a way that is suitable for the presentation
- Make sure they are coherent and in a logical sequence.
- Make sure that the presentation you are preparing contains their essential elements: an introduction, a main body, and a conclusion.
- Write down the main headings included in the presentation, so that each heading appears on a separate sheet of paper.
- After preparing the entire text, you can access your preferred program and start preparing the presentation. After you have prepared the entire text, you can access your favorite program and start preparing the presentation.
- It is preferable to use audiovisual media to animate the presentation (PowerPoint presentation or documentary).
- Use appropriate visuals and visual effects to illustrate important points and make the presentation more interesting. Add transitions between slides to improve the flow of your presentation.
- Prefer index cards over papers; One index card for each title and business plan, one or two index cards at most for the introduction and conclusion, and between 10 and 30 index cards for the presentation, which is enough for a 15–20-minute presentation. Choose a simple template that fits the theme of the note and avoid bright colors and busy designs.
- Choose a simple template that fits the theme of the note and avoid bright colors and busy designs.
- Use headings, paragraphs, bullet points, or charts to make the information easier to understand.

## **Chapter I: Oral presentation**

- Use images, illustrations, and charts to add value and clarify the information.

### **2.2. Target audience**

- Make sure to use short text and key points in your slides rather than writing long sentences. This helps to focus the audience and make the presentation easier to follow.
- Make sure the information provided in the presentation is understandable and easy to digest.

### **2.3. Content**

- Be concise and precise. Provide relevant information and support it with concrete examples or evidence.
- The written presentation accompanying the oral presentation should include an introduction, a body, and a conclusion according to a simple plan.
- Avoid the urge to say everything, but rather three or four basic ideas are enough, and stick to the initial plan applied during Research.
- References are written at the bottom of the document.
- You write the main ideas on each document, while the secondary ideas are presented orally.
- Organize the ideas into headings.
- All visuals and graphics should be simple, professional, precise, and clear.
- Revise the plan and visuals if necessary.

### **2.4. Time management**

Respect the time allocated for your presentation. Indeed, managing time effectively during the presentation is essential for maintaining your audience's interest and ensuring that all key points are conveyed clearly. Adhering to the allotted time shows that you are well prepared, professional, and respectful of your audience and other scheduled speakers. Exceeding the time limit can lead to scheduling issues and may require you to rush or omit essential parts of your presentation. To manage your time well, practice in advance, use a timer if necessary, and organize your content logically to meet the deadline.

## **3. Different types of plans**

### **3.1. Definition**

An outline is an essential step that follows the research and reading of all necessary documentation for preparing your oral presentation. The outline consists of an introduction, a body (development), and a conclusion. It will help you organize your content.

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### 3.2. Why create a plan?

Having a plan greatly aids understanding: you need to choose a type of plan. Do everything you can to ensure your audience follows your outline throughout the presentation.

### 3.3. Different types of plans are possible

- The chronological plan
- The comparative
- From general to specific
- The categorical plan
- The dialectical plan
- The reasoning-based (logical) plan

#### 3.2.1. The chronological plan

This plan consists of following the progression of a phenomenon over time: before, now, and in the future. It can take several forms:

- Progressive: (in the past, today, tomorrow)
- Regressive: (today, recent past, more distant past)
- "Out of order": the parts differ in their temporal relation, but are not presented in chronological order. This type of plan can be used in writing (for a report or a summary), but it isn't easy to make it clear in an oral presentation.

#### Example

##### Topic: The evolution of distance learning

- **Past:** Learning by correspondence via mail, VHS tapes, or televised courses
- **Present:** Interactive platforms like Zoom, Google Classroom, and Moodle
- **Future:** Fully virtual classrooms using AI and virtual reality technology

#### 3.2.2. The comparative plans

This plan is based on contrast or opposition:

- Advantages vs. Disadvantages (positive aspects vs. negative aspects, pros vs. cons)
- Current situation vs. Past situation
- True vs. False

## Chapter I: Oral presentation

It is essential to highlight your point of view in the conclusion.

### Example

#### Topic: Pros and cons of distance learning

- **Advantages:**
  - Flexible schedules and learning locations
  - Reduced commuting and costs
  - Access to a variety of online resources
- **Disadvantages:**
  - Social isolation and lack of peer interaction
  - Weaker student-teacher engagement
  - Challenges in accurately assessing student performance
- **Conclusion:** A blended approach combining in-person and online learning may be the most effective solution.

### 3.2.3. From General to Specific

This plan can be developed in two ways:

- General issue → specific issue → analysis of a concrete example
- typical example → first generalization → second generalization

### Example:

#### Topic: The role of technology in education

- **General idea:** Technology is transforming all sectors, including education.
- **Specific focus:** Distance learning as a key example of educational transformation
- **Concrete example:** The shift to online classes during the COVID-19 pandemic and how schools adapted

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### 3.2.4. The Categorical plan

This involves considering several possible aspects of a problem. These aspects are not necessarily “positive” and “negative” (as in the comparative outline); they are simply “**different**”.

#### Example

##### Topic: Aspects of distance learning

- **Technical aspect:** Internet access, platform usability, device compatibility
- **Pedagogical aspect:** Teaching methods, digital content quality, student engagement
- **Psychological aspect:** Student motivation, mental health, sense of isolation

### 3.2.5. The Dialectical plan

This is the most “classic” structure: **thesis – antithesis – synthesis**.

#### Example

##### Topic: Can distance learning replace traditional education?

- **Thesis:** Yes, it can be an efficient and modern alternative
- **Antithesis:** No, it lacks the essential human interaction and classroom dynamics
- **Synthesis:** Distance learning is a valuable supplement but cannot fully replace traditional teaching

### 3.2.6. The Reasoning-Based (Logical) plan

This is a specific case of the previous outline:

- Presentation of the situation
- Explanation of the causes of this situation
- Explanation of the consequences
- Possible solution

## Chapter I: Oral presentation

### Example

- **Topic:** Challenges students face in distance learning
- **Situation:** Many students struggle to adapt to online education
- **Causes:** Lack of structure, poor internet access, unsuitable home environments
- **Consequences:** Decline in academic performance, low motivation, digital fatigue
- **Possible solutions:** Provide technical support, train teachers and students, promote hybrid models

## Chapter II

# Presentation of an oral presentation



## **Chapter II: Presentation an oral presentation**

### **Chapter II**

#### **Presentation of an oral presentation**

##### **1. Introduction:**

Each student, regardless of their field of study or level, is required to make presentations on various topics, either suggested or assigned. In order for this offer to be successful, the following stages must be adhered to:

- Comprehensive preparation of the “content” to be conveyed, which includes collecting, selecting and organizing relevant information based on the topic of presentation and the audience in question.
- Comfortable with public speaking, which involves oral and physical expression skills and requires adaptation to the specific communication situation.

##### **2. Oral Presentation Process**

The oral presentation goes through several stages, which are:

- The process of collecting, organizing, and preparing data and information.
- Presenting information to others.
- Evaluating and critiquing performance during the presentation.

##### **3. Types of Oral Presentations**

Generally, there are three types of oral presentations based on their duration:

- Short presentation (5 to 10 minutes),
- Intermediate presentation (15 to 20 minutes), and
- Long presentation (around 45 minutes).

These types of presentations differ not only in their duration but also in the academic status of the presenter and the subject of the presentation. It is therefore crucial for the presenter to know which type of presentation they have been asked to give, to prepare accordingly. Despite these differences between the types of presentations, there are common basic principles applicable to all types.

##### **4. The Typical Structure of a Presentation**

An oral presentation requires an introduction, a main body (development), and a conclusion.

###### **a. Introduction**

The introduction of the oral presentation should be:

## **Chapter II: Presentation an oral presentation**

- Brief (in a few lines) explaining why you conducted the work and why it is important.
- Include the research question, your objectives or hypotheses, and predictions (even if those predictions were not confirmed by your results).
- Provide a brief overview of the key points you will cover in your presentation (announce the structure of the presentation).

### **Role of the Introduction**

- It captures the audience's interest.
- It places the topic in its context.
- It announces the objective to be achieved.
- It clearly announces the outline of the presentation.

### **b. Main Body (Development)**

The main body of the oral presentation should be structured into sections, each with a central idea, a simple and logical construction, and should include the following elements:

- The main method of your work.
- The main results of your work.
- The discussion includes your interpretation of the results.

### **c. Conclusion**

In the conclusion, you should:

- Summarize your key points (main ideas).
- Provide an evaluation.
- Refer to future actions if necessary (perspectives).
- End with a thank you.

## **5. Presentation of an oral presentation**

How to make a Successful and effective oral presentation?

### **5.1. Proper Planning**

The presentation must be planned before starting to create it. The goal, content, and key messages that need to be communicated should be determined.

### **5.2. Stress Management**

Stress is normal. Generally, it helps performance. However, in some cases, it can inhibit and prevent a person from expressing all their abilities. Breathing and relaxation exercises can help

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alleviate stress.

### **5.3.Focus**

You must stay focused. You need to identify a specific set of ideas and points that need to be addressed in the presentation, and concentrate on them instead of deviating from the topic.

### **5.4.Language**

Clear and simple language should be used in the presentation so that the audience can easily understand the information presented.

### **5.5.Argumentation**

It must be rigorous and supported by references, with precise, undeniable facts to illustrate each point.

### **5.6. Adapting the Speech to the Audience**

This refers to the speaker's skills in choosing the right language based on the audience:

#### **5.6.1. The Voice**

- The speech must be intelligible: the speaker should articulate clearly.
- The speech must be heard even by those farthest away: the volume of the voice should be adapted to the room and the audience.
- The speech must be pleasant to listen to: the voice should be harmonious, not discordant. The speech must captivate: the intonations of the voice should be rich and varied.

#### **5.6.2. Verbal Expression**

The vocabulary should be correct and adapted to the audience. It's possible to repeat elements by rephrasing them to ensure better understanding and facilitate note-taking. Try to avoid filler words (uh, you know...) and slips of the tongue.

Below is a table listing some phrases that can be used in your presentation to avoid repetition and try to grab the audience's attention

## Chapter II: Presentation an oral presentation

**Table II.1:** Structured Phrases for Different Parts of a Presentation

Section	Phrases/Expressions
Introduction	“Good morning/afternoon, everyone. Today, I am going to talk about...”
	“The topic of my presentation is...”
	“First of all, let me give you an overview of...”
	“I will start by discussing...”
	“Let’s begin with...”
	“This presentation will cover...”
	“Now that we’ve covered [topic], let’s move on to...”
Development	“Let’s shift our focus to...”
	“Moving on to the next point...”
	“In addition to that...”
	“Now, I’d like to turn to...”
	“One of the key points I’d like to highlight is...”
	“It is important to note that...”
	“This leads us to the next important point, which is...”
Clarification	“To give you an example...”
	“This can be seen in...”
	“What I mean by that is...”
	“Let me explain that further...”
Conclusion	“In other words,...”
	“To clarify, what I’m saying is...”
	“To conclude, I’d like to summarize the main points...”
	“In conclusion, we can see that...”
Questions/Answers	“To wrap up, I believe...”
	“Finally, I want to leave you with this thought...”
	“I’d be happy to take any questions now.”
	“If you have any questions, feel free to ask.”
Strengthen an argument	“Thank you for your attention. Any questions?”
	“Does anyone have any questions about this?”
	“It’s clear that...”
Express a doubt or reservation	“This clearly shows that...”
	“The evidence supports the idea that...”
	“It’s possible that...”
	“Some may argue that...”
	“There might be another perspective, but...”

### **5.6.3. Non-Verbal Expression**

It should emphasize what is being said. Too static attitudes bore the audience. Non-verbal communication helps establish subtle communication with the audience: gestures, eye contact, and body language bring the presentation to life and help the audience follow the flow of reasoning.

It is also important that the speaking pace is not too fast and to take pauses are taken to allow the listener to fully understand what is being said.

## **6. Some Practical Tips**

### **a. Before the Presentation**

- Take a few deep breaths if you're feeling nervous; this will help you relax.
- Get enough sleep.
- Review your notes one last time.
- Practice the presentation. Train in front of a group of people who will volunteer to listen and give feedback. If that's not possible, practice alone, ideally in front of a mirror. You should repeat it until you feel very comfortable with the presentation.
- Wait for the jury president to give you the floor before starting your oral presentation.

### **b. During the Presentation**

- Start by thanking the president, jury members, and the audience.
- Don't get lost in the details.
- Focus on the message.
- Make sure to maintain good eye contact with the audience.
- Since this is an oral presentation, do not read the text. Reading a text will make you lose eye contact, intonation, and good posture.
- Ensure you respect the time limit.
- Speak loudly enough for the audience to hear you. Don't speak too fast and make sure to speak clearly. Try not to speak in a monotone voice, but vary your volume, speed, and pitch.
- Stick to using the outline of your presentation, not the full text.

## **Chapter II: Presentation an oral presentation**

- Pause if you need a moment to collect your thoughts.
- For group presentations, ensure the speaking transitions and coordination of the presentation

### **c. After the Presentation**

- Thank the jury members and the audience for their time and attention by saying, "Thank you for your attention."
- Answer the questions thoroughly and honestly; if you don't know the answer, admit it.
- Maintain a polite and positive tone

# Chapter 3

# Plagiarism and intellectual property



## **Chapter III: Plagiarism and intellectual property**

### **Chapter III**

#### **Plagiarism and intellectual property**

##### **1. Intellectual property**

###### **1.1. Definition**

According to the World Intellectual Property Organization (WIPO), "intellectual property refers to creations of the mind: inventions, literary and artistic works, and symbols, names, images, and designs used in commerce.".

Intellectual property includes two main categories: literary and artistic property (such as copyright and database rights) and industrial property (protection of inventions and technical knowledge). It is governed by the French Intellectual Property Code, which recognises a right of ownership over intellectual or aesthetic works and technical inventions. It covers two areas: literary and artistic property, and industrial property:

###### **a . Industrial property**

Industrial property is used to protect more technical or industrial innovations or creations:

- Technical creations: patents, plant breeders' rights, topography of semiconductor products, etc.
- Ornamental creations: designs and models;
- Distinctive signs: trademarks, company names, trade names,
- Domain name, Appellation of origin, Indications of source;
- Industrial designs.

Obtaining industrial property rights is subject to filing and registration with government bodies.

###### **b . Literary and artistic property**

Literary and artistic property protects works of the mind (any creation can constitute a work of the mind, on the sole condition that it is original, 'the imprint of the author's personality'), regardless of form, genre, merit or purpose. It covers: Literary and musical works, paintings, statues, cinematographic works, Advertising creations, maps, and technical drawings.....

## Chapter III: Plagiarism and intellectual property

### ❖ Copyright:

Copyright is a legal term used to describe the rights of creators over their literary and artistic works. Works covered by copyright include literary and musical works, paintings, sculptures and cinematographic works, as well as computer programmes, software, databases, advertising creations, maps, and technical drawings.

### ❖ Beneficiaries

The beneficiaries of copyright protection are all those who hold a right in the work. Generally speaking, those who have participated in the creation of the work in its original, translated, arranged, or adapted form.

## 2. Plagiarism

### 2.1. Definition

What is plagiarism?

Plagiarism means using someone else's ideas or creations, whether words, concepts, or images, without giving them proper credit. It is a violation of copyright and can be considered an act of fraud or intellectual deception. Plagiarism can take many forms, from copying a text or image in its entirety to adopting an idea without citing its true author.

### 2.2. Different types of plagiarism

#### 2.2.1. Direct plagiarism

Direct plagiarism is the most obvious form of plagiarism. It involves appropriating someone else's ideas or work without mentioning the original authors, presenting them as if they were your own. Even if you make minor deletions or changes, if the structure and majority of the terms remain the same, this is clearly plagiarism. This type of plagiarism includes

- ❖ **Cyberplagiarism**, which consists of copying and pasting information from the Web without indicating its sources; this is a modern form of plagiarism that has appeared with the development of resources available on the Internet.

#### 2.2.2. Patchwork plagiarism

This type of plagiarism involves copying parts of text from different sources, often with

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minor changes. Even if the sentence has been changed, the idea or structure of the argument comes from someone else without attribution. It may be more subtle, but it is still a serious act of plagiarism, because the intention to appropriate someone else's work is clear.

### **2.2.3. Paraphrasing**

Depending on how it is used, paraphrasing can be considered plagiarism. If you reformulate an existing idea or text without citing your source, it constitutes indirect plagiarism.

### **2.2.4. Self-plagiarism**

This includes re-using your own work or parts of it without indicating that it has already been published elsewhere. Although this may seem less serious, there can be ethical and legal consequences, especially if it relates to academic or professional work. In academic circles, self-plagiarism is often seen as deception, where the author attempts to present their older work as original.

### **2.2.5. Source-based plagiarism**

Source-based plagiarism occurs when you attribute to secondary sources, even if they come from a primary source.

## **3. Penalties for plagiarism**

Plagiarism can seriously damage a student's future regardless of their level of study and ruin a researcher's career, university teacher-researcher or permanent researcher involved, whatever their grade and/or the position they held when the plagiarism was discovered. Plagiarism can seriously destroy the reputation and career of its perpetrator, even if the act was committed decades before it came to light.

- Case of students**

Article 35 of Order 933 of 28 July 2016 stipulates that 'any act of plagiarism relating to the scientific and pedagogical work required of students in bachelor's, master's, master's and doctoral dissertations, before or after their defense, exposes its author to the cancellation of the defense or the withdrawal of the title acquired'. The acquired title may be withdrawn even if the act of plagiarism was not discovered until several years after it was acquired. In this case, 'any person who has suffered damage as a result of plagiarism that has been duly

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established may take legal action against the authors of the plagiarism', regardless of any sanctions taken against them by the authorities of their employing organization.

Self-plagiarism in work carried out with a view to obtaining a diploma may, depending on its extent, lead to the cancellation of the work, the author may be refused permission to defend his dissertation or thesis, and may have his title or diploma withdrawn if the self-plagiarism was revealed once the title had been obtained.

If the plagiarism or self-plagiarism concerns work carried out during a course of study (such as practical work reports, presentation reports, work placement reports, etc.), the author's work will be rejected, a zero mark may be awarded for the work, and disciplinary measures, up to and including exclusion, may be imposed.

- **Permanent teachers and researchers**

Executive Decree N°. 08-130 of 3 May 2008 on the special status of teacher-researchers, Chapter 8, Article 24, classifies 'as a fourth-degree professional misconduct, the fact of teacher-researchers being authors or accomplices in any established act of plagiarism, falsification of results or fraud in scientific work claimed in doctoral theses or in the context of any other scientific or educational publications.

Article 36 of Order 933 of 28 July 2016 states that 'any act of plagiarism [...] in relation to the scientific and teaching work claimed by the teacher-researcher, the university hospital teacher-researcher and the permanent researcher during teaching and scientific activities, magister theses and doctorate these and other research projects or university habilitation work, or any other scientific or teaching publication duly noted, during or after the defense, assessment or publication, exposes its author to the cancellation of the defense or the withdrawal of the title acquired or the cancellation or withdrawal of the publication. A person who commits plagiarism risks losing their academic titles and diplomas. They may be downgraded, dismissed, or permanently banned from professional roles. They may also face legal action from the original authors of the plagiarized work.

<https://www.umc.edu.dz/index.php/fr/component/k2/item/1130-prevention-et-lutte-contre-le-plaolat>

#### **4. Ways of combating plagiarism at the university level**

1. Make the university community of students and lecturers aware of the harm and consequences of plagiarism. This can be achieved through the participation of professors

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and students in forums and seminars specifically focusing on the profession's code of ethics, particularly with regard to literary theft.

2. Publish on the university's website all student and teacher work (theses, dissertations, articles, etc.) produced at the university level.
3. Have authors sign an undertaking stipulating that they will not engage in literary theft in their work and that all sources and references have been correctly cited.
4. Use plagiarism detection software.

### **5. How to avoid plagiarism in your work?**

#### **5.1. Citing Sources**

Ensure the original author in the text and bibliography: Cite the original authors for any ideas you borrow from them to develop your own work.

#### **5.2. Using Anti-Plagiarism Tools**

Never re-use the same work (report, dissertation, master's thesis, doctoral dissertation) that you have previously written yourself and that has enabled you to obtain a mark in a subject and/or that you have defended to obtain a diploma (bachelor's degree, master's degree, engineering degree, master's degree, doctorate), to obtain a mark in another subject and/or to obtain another diploma (self-plagiarism).

#### **5.3. Use a plagiarism detector for students before handing in your work**

The most well-known plagiarism detectors are Turnitin and Ephorus. Turnitin is one of the most effective tools; it scans your document by comparing it to other theses, academic texts, and online sources. However, you can also perform this check yourself using online plagiarism detection software.

If you want to make sure you are not unintentionally plagiarizing, you can run your article or research paper through a plagiarism checker. Here are some free tools: Copyscape, Plagiarisma, Plagscan, and Small SEO Tools. There are also paid options such as Turnitin, Compilatio, and others. Here are a few useful links:

<https://www.plagium.com/fr/detecteurdeplagiat>

<http://www.olaciscan.com/fr/>

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<https://plagiarisma.net/fr/>

### 5.4. by citation:

Citation is defined in scientific research as the method by which researchers increase their scientific content by transferring from another scientific work, whether directly or indirectly, for the purpose of clarifying an idea or citing a scientific example.

#### 5.4.1. Forms of citation in scientific research

##### a. Direct citation:

In this type of citation, the researcher quotes information word-for-word and with the same meaning as in the source. The quoted content is placed in quotation marks or brackets and introduced by a contextual phrase. For example: “*as stated in the research...*”

##### ❖ Texts cited

Textual quotations must be enclosed in inverted commas ‘...’ and introduced by a sentence that provides context. The source must be cited precisely and completely, leaving no ambiguity. There are several citation styles:

- Footnotes at the bottom of the page
- References at the beginning or end of the document
- A complete reference list following academic standards

Let us consider a mechanical model of a beam as given in Fig. 1. Relations for Young's modulus and density of FG beam, as well as relations for the nonlocal strain gradient theory can be found in the Appendix of the paper [27].

❖ Reference number 27 in the bibliography at the end of this work

##### ❖ Inserting illustrations:

Illustrations such as drawings, images, diagrams, and tables must include a caption if taken from another author. The source should be cited either below the title or at the bottom of the page. These should not be listed in the references section but must appear in the bibliography with a reference number.

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**Table 1.** Organic fertilizers and amendments applied in the experimental orchard – *Fertilisants organiques et amendements appliqués dans le verger expérimental.*

Compound	2002	2003	2004	2005	2006	2007	2008	Mean
Compost 0.5% N (t·ha <sup>-1</sup> )	30.0	-	-	25.0	-	-	-	7.9
Lin-waste 5/2/2 (t·ha <sup>-1</sup> )	0.5	1.0	1.0		1.0	0.8	1.0	0.7
Patentkali (t·ha <sup>-1</sup> )	2.0	-	0.3	-	-	-	-	0.3
Natural phosphate 50% (t·ha <sup>-1</sup> )	1.0	-	0.3	-	-	-	-	0.2
Hydrated lime 50% (t·ha <sup>-1</sup> )	2.0	1.0	2.0	2.0	2.0	2.0	2.0	1.8
Nitrogen unit (u.N·ha <sup>-1</sup> ) <sup>a</sup>	57.5	67.5	72.5	62.5	50.0	63.8	45.0	59.8
Ca <sup>b</sup>	-	-	4.0	4.0	4.0	4.0	4.0	2.8
B, Mn, Zn <sup>b</sup>	-	-	4.0	4.0	4.0	4.0	4.0	2.8

<sup>a</sup> Estimation of nitrogen availability for the compost used: 30% year 1, 20% year 2, 15% year 3 and for the lin-waste used: 50% year 1 and 50% year 2 – *Estimation de la disponibilité de l'azote fourni par le compost : 30 % l'année 1, 20 % l'année 2, 15 % l'année 3 et par le tourteau de lin : 50 % l'année 1 et 50 % l'année 2;* <sup>b</sup> Number of foliar treatments – *Nombre de traitements foliaires.*

Figure III.1. Example of a table (Jamar, 2010).

### b. Indirect citation

#### ❖ Paraphrasing:

Paraphrasing consists of rewriting the text in your own style while citing the source, in a similar way to quoting. Mention the reference at the bottom of the page or index it with a numbered reference in the bibliography.

#### ❖ Original quote:

"Chemical toxicity remains a major handicap in organic synthesis, and given its large volume in the reaction, the use of an organic solvent medium exacerbates this problem. The aqueous system as a substitute for the organic medium brings unexpected and impressive results".

#### ❖ Paraphrase:

The toxicity of chemicals remains a major obstacle in organic synthesis, and the use of organic solvents, due to their large quantity in reactions, aggravates this problem. The use of an aqueous system as an alternative to the organic medium gives surprising and impressive results.<sup>1</sup>

1. Lindström U.M., Organic reactions in water: principles, strategies and applications, Blackwell Publishing, Oxford, 2007.

#### ❖ Summarizing

The summary is a brief overview of a long text. The main objective is to give the reader an idea of the original text without reading it, to present the main idea of the text or article, i.e. to competently tell the most important meanings of the article

## Chapter III: Plagiarism and intellectual property

### Original quote:

"Photosynthesis is the process by which green plants, algae, and some bacteria convert light energy, usually from the sun, into chemical energy stored in glucose. This process takes place in the chloroplasts of plant cells, using chlorophyll, water, and carbon dioxide. Oxygen is released as a by-product. Photosynthesis is essential for life on Earth as it provides the oxygen we breathe and is the basis of the food chain."

### Summarizing

Photosynthesis is a vital process in which plants use sunlight to create glucose and release oxygen, forming the foundation of Earth's food chain.<sup>1</sup>

1. Reece, J. B., Urry, L. A., Cain, M. L., Wasserman, S. A., Minorsky, P. V., & Jackson, R. B. (2014). *Campbell Biology* (10<sup>th</sup> ed.). Pearson Education.

### **5.4.2. in-text citations styles**

What style of quotation do we use?

A citation style is a set of rules that define how to cite your sources in your academic productions (dissertations, theses, etc.).

In the past, each academic discipline had its own citation rules. Today, universities often choose a unique citation style.

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**Table III.1: Different style of citation styles**

Citation Style	Discipline	Citation System in Text
APA	Social Sciences	Author-date
Harvard	Economics	Author-date
Vancouver	Medicine	Numeric
Chicago A	Humanities	Footnotes
Chicago B	Humanities	Author-date
OSCOLA	Law	Footnotes
MLA	Humanities (Language Studies)	Author-page number
IEEE	Exact Sciences (Computer Science)	Numeric
Turabian	Humanities (Language Studies)	Footnotes
Turabian	Social Sciences	Author-date
AMA	Medicine	Numeric
ACS	Chemistry	Numeric, author-page number, footnotes
NLM	Medicine	Numeric
AAA	Social Studies	Numeric
APSA	Political Science	Author-date

#### Some examples of in-text citations

##### a. Style: APA Standards

The APA style is one of the most widely used formats in academic writing. It was developed by the American Psychological Association and was initially intended for use in psychology and the social sciences. Today, it is one of the most commonly used citation styles across various academic fields. APA style uses an author date system for in-text citations, which allows readers to locate the full reference in the bibliography.

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### example

Suppose we want to cite a sentence from a book by Robert Lazarus published in 1993: "Social support significantly reduces the effects of stress on mental health."

You can cite it in two ways:

#### a. Narrative citation (integrated into the sentence)

According to Lazarus (1993), social support significantly reduces the effects of stress on mental health.

#### b. Parenthetical citation (in parentheses)

Social support significantly reduces the effects of stress on mental health (Lazarus, 1993).

### In the reference list

Author, Initial(s). (Year). Title in italics. Place of publication:

Publisher: Lazarus, R. S. (1993). *Coping and emotion*. New York, NY: Oxford University Press.

#### b. Style: Vancouver

The Vancouver citation style was developed by the International Committee of Medical Journal Editors (ICMJE) and is mainly used in the field of medicine. Instead of an author-date system, the Vancouver style uses a numerical citation system, where references are indicated by numbers in parentheses or superscript within the text.

example: Suppose you are quoting a sentence from a medical article:

"Vitamin D deficiency is linked to increased risk of cardiovascular disease."

##### ➤ In the text (Vancouver style)

Vitamin D deficiency is linked to increased risk of cardiovascular disease (1).

##### ➤ In the reference list

1. Holick MF. Vitamin D deficiency. *N Engl J Med*. 2007 Jul 19;357(3):266-81.

#### c. Style: IEEE

The IEEE (Institute of Electrical and Electronics Engineers) citation style is commonly used in

## **Chapter III: Plagiarism and intellectual property**

technical fields such as computer science and electrical engineering. IEEE uses a numerical citation system enclosed in square brackets [x], with specific formats for different types of sources.

### **Example**

Suppose you are quoting a sentence from a technical article:

"Machine learning algorithms have dramatically improved image recognition accuracy."

#### **➤ In the text (style IEEE)**

Machine learning algorithms have dramatically improved image recognition accuracy [1].

#### **➤ In the reference list**

[1] A. Smith, *Introduction to Machine Learning*, 2nd ed. New York, NY, USA: Springer, 2020.

## **6. Writing a bibliography**

### **6.1. The bibliography**

A bibliography lists all the sources you have consulted while conducting your research. It should bring together all the printed and digital sources that the researcher has used in the course of his or her work.

- ✓ It should be inserted at the end of the manuscript.
- ✓ It consists of the bibliographic references cited in the text, whatever their nature (reference works, books, periodical articles, studies, electronic and audiovisual documents, etc.).

### **6.2. Objective: Why write a bibliography?**

There are three main reasons why it is important to write a bibliography and include it at the end of your work:

- ✓ Respect for authors: they have published reference works, they have been used on a set of texts, so they must be cited (copyright).
- ✓ To demonstrate the quality of your work and enable it to be checked by listing the documents you have used and therefore read.
- ✓ To clearly and precisely identify each document so that readers can easily locate it (provide the reader with sufficient identifying information to enable them to search for and locate it easily).

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### 6.3. The bibliographic reference list

The bibliographic reference is the document's identity card, which is the set of data elements necessary for the identification of a document or part of a document of any type, on any medium (book, article, website, etc.). This varies according to the type of document used in the research: book, articles, conferences, website, CD, etc.). It therefore includes:

- ✓ Its intellectual description (author's name, title)
- ✓ Its physical description (the number of pages)
- ✓ The writing of bibliographic references must be homogeneous, whether it is:
  - ⊕ in terms of typography and layout
  - ⊕ in terms of the order of the information (note that writing practices differ according to the disciplines)

### 6.4. How do you write a bibliography?

The bibliography appears at the end of the work in a separate section or chapter and is usually organized in alphabetical order by the authors' last names.

All documents that have been read and explicitly cited in the text must be included in the bibliography. Likewise, every reference listed in the bibliography must be cited in the text; there should be no missing or extra sources.

### 6.5. Writing of bibliographic reference lists

Bibliographic references group together the documents cited in a text, according to precise presentation standards. These standards ensure clear identification of sources for readers. References are usually listed alphabetically by author, and then chronologically for each author. If a numbering system is used, references follow the order in which they appear in the text. It is essential not to mix the two systems:

- ⊕ Examples of bibliographic formats:

#### Book:

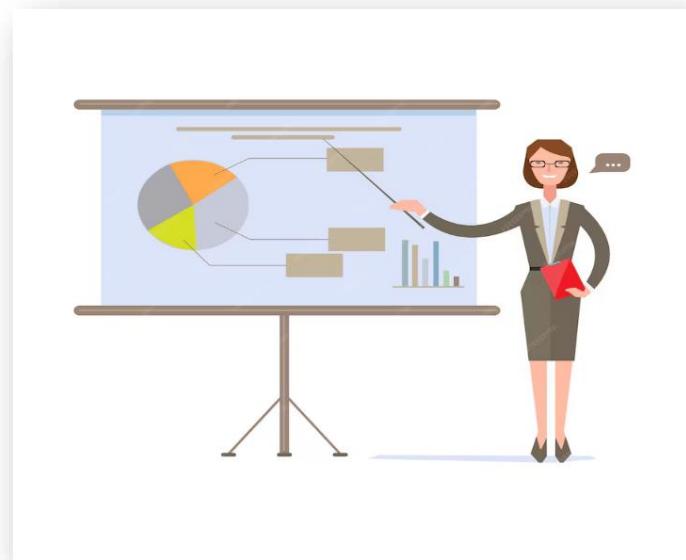
Author's last name, first name. *Title of the book* (in italics). Publisher, year of publication, number of pages.

#### Example

Smith, John. *Introduction to Sociology*. Pearson Education, 2020, 350 pages.

# Chapter 4

## **Presentation of a manuscript (written work)**



## **Chapter IV**

### **Presentation of a manuscript**

#### **(written work)**

##### **1. Introduction**

Obtaining a master's or doctoral degree is a significant achievement in a researcher's life, representing the culmination of years of research, analysis, and in-depth study. However, the defense is the most exciting and challenging part of this long journey. When researchers present their theses for defense, they must prepare thoroughly for this critical stage, as the defense committee will test and challenge them. In this article, we will discuss how researchers can prepare for the defense of their master's or doctoral theses by providing tips and guidelines that will help them prepare effectively.

What is defense?

##### **2. A defense**

The act of presenting an intellectual work to obtain a degree (Bachelor's, Master's, Doctorate, etc.) before a jury responsible for assessing its merit and capable of awarding the degree. It is characterized by:

- ✓ It is not a simple summary or a reading of the completed work.
- ✓ It does not aim to cover everything in the manuscript.
- ✓ It does not fully develop all arguments and analyses.
- ✓ It does convey key scientific findings and reasoning.
- ✓ It must persuade the audience and jury.
- ✓ It should be scientifically engaging and capture attention.

##### **3. The three parts of the oral presentation**

To successfully defend your dissertation, it is essential to structure your presentation correctly. With this in mind, it is in your best interest to break it down to:

###### **a. Introduction**

The student must state the title of their work and introduce their topic clearly and initially, recalling the underlying purpose, objective, and problem of their research; and then outlining the outline of their presentation.

## Chapter IV: Presentation of a manuscript (written work)

### b. Development or discussion

The student must present the methods of their work and the results obtained, interpret them, and argue for them.

### c. Conclusion

The presenter concludes their work by presenting the general idea of their work, summarizing their results, and providing perspectives on their work. They conclude with a few words: Thank you for your attention.

This can be summed up in the following table:

**Table VI.1:** The oral presentation parts

Section	Content to Present
<b>Introduction</b>	<ul style="list-style-type: none"><li>Announce the title of your work</li><li>Clearly introduce the research topic</li><li>State the research problem, objectives, and rationale</li><li>Present the structure of your presentation</li></ul>
<b>Development or discussion</b>	<ul style="list-style-type: none"><li>Present your methodology</li><li>Share and interpret your results</li><li>Provide supporting arguments and analysis</li></ul>
<b>Conclusion</b>	<ul style="list-style-type: none"><li>Summarize the main findings and overall idea of your work</li><li>Highlight future research perspectives</li><li>Conclude with a polite remark:</li></ul>

## 4. Some tips for giving a good presentation

- ❖ Speak clearly and slowly.

## **Chapter IV: Presentation of a manuscript (written work)**

- ❖ Texts, images, tables, and curves related to the research work in general.

- ❖ **Body Language and Posture**

Non-verbal communication plays a key role in audience engagement. Maintain eye contact, stand confidently, avoid crossing your arms, and use open body language to appear approachable and credible.

- ❖ **Dealing with Anxiety or Stress**

Feeling nervous is normal. To manage it, rehearse several times before the actual presentation, practice deep breathing, and focus on conveying your message clearly rather than aiming for perfection.

- ❖ **Time Management During the Presentation**

Time management is essential for a successful presentation. The presenter must respect the allotted time (usually 15 to 20 minutes) by rehearsing in advance and ensuring a balanced distribution of time between the introduction, development, and conclusion.

## **5. Scientific poster**

A scientific poster is a presentation or display that allows you to present scientific work to other researchers or doctoral students at scientific meetings or conferences. Its purpose is to bring together, on a single page, all the information about the study being presented.

### **5.1. Poster objectives**

The purpose of the poster is to present your research work to uninitiated readers; it's a kind of scientific business card. You need to put yourself in the shoes of the person who will read it:

1. The problem and vocabulary must, therefore, be simple.
2. The poster must attract attention; it's a visual communication tool.
3. The poster serves to convey a message: it's to inform.
4. The poster must make the reader want to delve deeper into the subject: it's to convince.
5. The poster must be educational, present a logical sequence, and not be too dense.



**Important:** the poster must be self-contained, meaning it can be understood even if you're not there to explain it.

## Chapter IV: Presentation of a manuscript (written work)

### 5.2 Basic steps to prepare a poster

#### ➤ Step 1

**Define the main theme:** You must identify the poster's main message, the key idea. This will be the main theme to keep in mind throughout the preparation process. Each part of the poster must relate to this theme.

#### ➤ Step 2

**Choose the medium:** An A0-sized PowerPoint slide (95 cm wide – 105 cm high) in portrait or landscape mode.

#### ➤ Step 3

**Choose the structure:** This involves choosing the reading direction, natural or explicit, of the poster.

#### ➤ Step 4

**Construct the frames:** Each frame develops a specific idea related to the topic, for example:

- ✓ summary;
- ✓ Relevant introduction posing a scientific problem;
- ✓ Materials and methods;
- ✓ results;
- ✓ analysis of results;
- ✓ Conclusion

### 5.3. Poster Composition

The poster should be organized according to a sectional structure so that it can be read quickly. The poster should be read in 5 minutes and should contain an average of 500 to 1,000 words maximum. The different sections should be included in your poster.

#### • Title

The choice of title is strategic: it must capture the interest of conference attendees who consult the program titles or pass by the poster. The title must be "catchy and evocative," sufficiently explicit (to differentiate it from other posters). It should ideally summarize the objective and resources, and contain the poster's essential message.

## **Chapter IV: Presentation of a manuscript (written work)**

- **Authors and Affiliations**

Include the lead author, followed by those who contributed to the research, as well as their affiliated institution(s). The lead author's contact information (at least their email address) must be included.

- **Introduction**

The introduction generally contains a summary of the literature review (very brief, one to two sentences) that you conducted previously and outlines the objective of the study.

- **Materials and Methods**

Here you will briefly describe the equipment and procedures, without all the technical details reserved for the article, but perhaps with an illustration.

- **Results**

This is generally the largest section, where you explain whether the experiment was successful and present the quantitative and qualitative results using graphs.

- **The conclusion**

this is a discreet summary of the results, highlighting their importance and a reminder of the introduction. The poster may also contain a section:

- ❖ Acknowledgments: study funders, participants, etc.
- ❖ Bibliographic references.

### **5.4. Designing the Poster Format**

To create the poster layout, you can use PowerPoint, adapting the slide format to the desired poster format. You can also use other desktop publishing software (Adobe InDesign, CorelDRAW, etc.). You must determine:

#### **5.4.1. Poster format and style**

The format is often imposed and specifies:

- the poster's orientation, portrait or landscape. Portrait format is generally indicated
- The dimensions: these vary; standard dimensions often correspond to 80 x 120 cm (A0 format).

## Chapter IV: Presentation of a manuscript (written work)

### ❖ Formatting

To make it easier to read, it's recommended to divide the page into columns (2 or 3 columns) (title, results, conclusion). To make it easier to distinguish between sections, each section can be presented in boxes, leaving sufficient margins (empty space) between each section.

### ❖ Font and Type Size

For optimal readability, use:

- 84 points for the title.
- 36 points for headings.
- 24 points for the text.

Regarding layout, a 2.5 cm margin around the poster helps maintain a neat and balanced presentation. Furthermore, it is crucial to ensure that visual cues, such as arrows and symbols, remain consistent.

### ❖ Colors

Use a maximum of two to three main colors, preferably pastels. Therefore, favor contrasting colors between the text and the background, for example, dark text on a light background.

### ❖ Illustrations

Illustrations (tables, graphs, diagrams) must be contained: a title, numbered references to them in the text

#### A poster must be

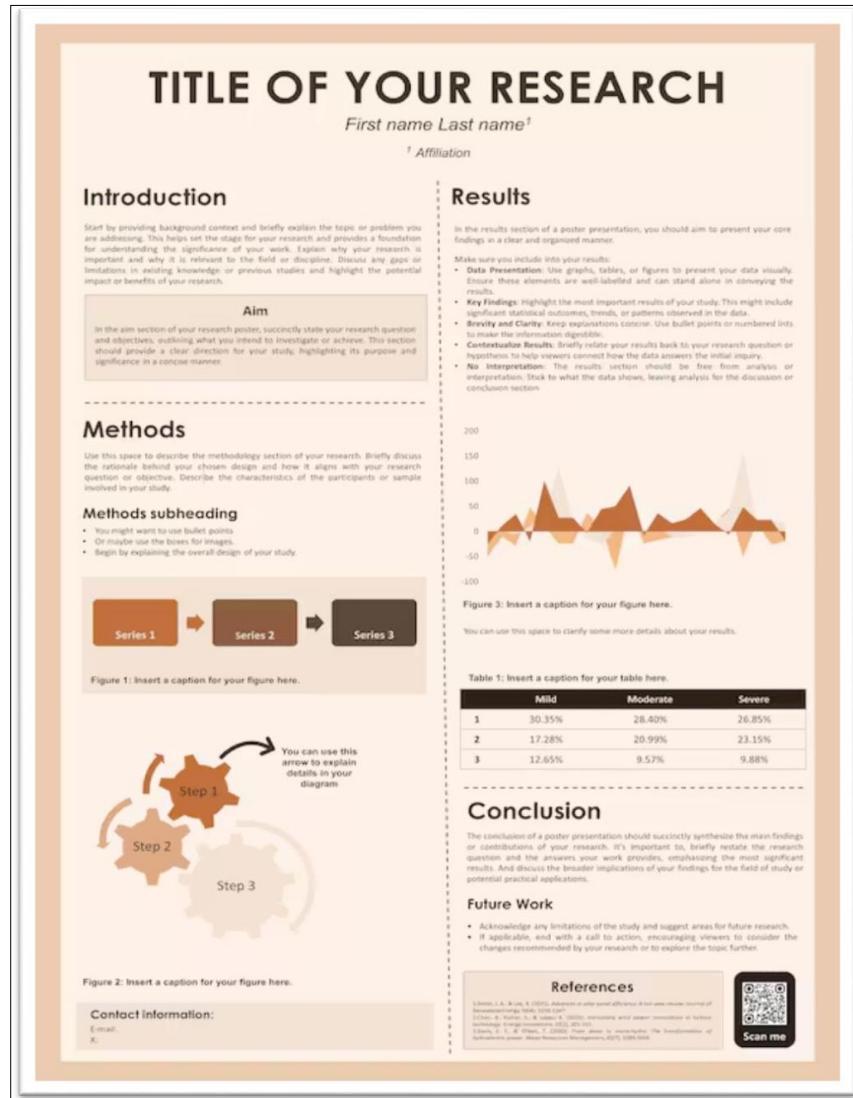
- ✓ Attractive: to capture attention: The title must attract the reader, and the information must be as graphic as possible.
- ✓ Structured: to facilitate reading: The reader must be guided through their reading. To do this:
  - ✓ Identify the different parts of the poster (by titles, section numbers, colors, etc.).
  - ✓ Or adopt a natural or explicit direction of movement through the poster.
  - ✓ Concise: to focus communication on the message:
  - ✓ The text must be clear and precise, the sentences short, and the font appropriate (not in capital letters, etc.).
  - ✓ White spaces are important. Ideally, a mix of 30% text, 40% illustrations, and 30%

## Chapter IV: Presentation of a manuscript (written work)

space is recommended. Avoid overusing colors, which impair readability.

### 5.4.2. Presenting the Poster

Although not mandatory, presenting your poster orally is appreciated. The purpose of the presentation is to guide the audience through the poster, which should illustrate the presentation's points without reading the text. Preparing a 2–3-minute oral presentation is recommended. The presentation should be simple, using short sentences, but also lively.



**Figure V. 1:** the general shape of the scientific poster (and distribution of its basic elements)

## Chapter IV: Presentation of a manuscript (written work)



THE OHIO STATE  
UNIVERSITY

# Countering Human Effects on Greater Sage-Grouse Habitats from Mining near Sink Valley, Utah

Michael F. Jones (JonesMichael.1@osu.edu)



50 YEARS  
SCHOOL OF  
ENVIRONMENT AND  
NATURAL RESOURCES

**Abstract**

By 2015, the sagebrush ecosystem in western North America, which is essential to the greater sage-grouse (Centrocercus urophasianus), only covered half of the 500,000 square miles that it once did. <sup>1</sup> Studies have concluded that mining for coal and natural gas disturb what is left of this ecosystem enough to drive sage-grouse away from the mines, further limiting their habitat and causing a decline in their population. Over the past several years, mining projects near Sink Valley, Utah have been accompanied by projects to counter the negative effects they can have on local sage-grouse populations. <sup>2</sup> These projects included expanding sagebrush grazing areas in the areas through tree removal, and rubber rabbitbrush (*Eriogonum naevosum*), as well as controlling the local populations of predators. <sup>3</sup> Sage-grouse population estimates for years before, during, and after mining activity, were determined through data that the Utah Division of Wildlife Resources collected on monthly gatherings of male sage-grouse competing for mates. <sup>4</sup> Sage-grouse location information recorded on monthly searches of these common habitats was also used to look for changes in their use of the habitat and the distance they kept from the mining location. <sup>5</sup>

**Introduction**

The results showed that sage-grouse were sighted within two kilometers of the mine center consistently during the searches. <sup>5</sup> The population estimates also stayed consistent with what they had been before the mining started. <sup>5</sup> These results confirmed that mining projects removed that sage-grouse are unlikely to be found within 4 kilometers of coal and natural gas mines and their population around those areas decrease. <sup>5</sup> The difference is that the mining projects in those studies did not have the mitigation projects associated with them, which were not as effective in countering the effects of the mining. <sup>5</sup> This is also supported by a study linking the expansion of sagebrush ecosystem through tree removal to increased rates of sage-grouse nesting. <sup>4</sup>



Pictured above is a male greater sage-grouse competing for mates at a Lek. Photo by S. Smith, *Nature*, Nov. 22, 2018.

**Habitat Selection Factors**

The sagebrush habitat, which is crucial to greater sage-grouse, only rely on it for nesting in the spring and as a source of food in the winter. In the winter of 2012-2013, a Study on greater sage-grouse winter habitat selection in the Powder River Basin near the Montana-Wyoming border found that, among other factors, sage-grouse tend not to be found near energy developments, which is likely due to the habitat disruption that this energy development causes. <sup>2</sup>

Sage-grouse habitats are also threatened by human infrastructure (such as roads, fences, and pipelines), agriculture expansion, and urbanization, <sup>6</sup> as well as the natural processes of woodland tree removal, encroaching on the sagebrush ecosystem. <sup>7</sup> (Encroachment below is being overrun by rubber rabbitbrush (*Eriogonum naevosum*), and fires. <sup>3</sup> This habitat disruption has resulted in a 56 percent reduction in the range that sage-grouse are found in and contributed to the declining trend in sage-grouse population estimates since 1985 in the western US. <sup>4</sup>

**Mining and Conservation Efforts**

In order to counteract the habitat disruption of their coal mining operation, a mining company in Sink Valley, Utah also conducted projects to re-establish and improve sage-grouse habitats in the area. <sup>3</sup> They removed Pinyon-juniper woodlands and rubber rabbitbrush that had taken over large areas of sagebrush to compensate for the land that their mine was disturbing. <sup>3</sup> To keep the populations of ravens that prey on sage-grouse from increasing due to the mine causing greater availability of food and places to perch, they also placed hard-boiled eggs treated with avicide in areas that the ravens scavenged for food. <sup>3</sup>

**Population Response**

To measure the way the sage-grouse responded to the combination of mining and habitat improvements, local sage-grouse populations were analyzed using data on attendance of leks in which males gather at a specific location to compete for mates. <sup>5</sup> Lek counts are expected to fluctuate in 9-12 year cycles. <sup>5</sup> In 2012 it was observed that the location of the lek had moved by 0.8 kilometers, but the average attendance was relatively stable, having increased before, during, and after the mining. <sup>5</sup>

**Habitat Use Response**

To analyze sage-grouse use of habitat in and around the mining area, searches were conducted to record locations of observed sage-grouse. <sup>5</sup> While nearly 70 percent of the sightings were south of the mine footprint, there were sage-grouse, on average, just 1.2 km from the mine center, a distance from the mine footprint that previous studies have observed sage-grouse keeping from energy developments. <sup>5</sup> This supports a 2007 hypothesis that the effects would be less if there was adequate surrounding habitat. <sup>5</sup> The figure above maps sage-grouse sightings in relation to mining locations in Sink Valley, Utah. Taken from Petersen et al., *Human-Wildlife Interactions*, 2016. <sup>5</sup>

**Conclusions and Discussions**

The study in Sink Valley, Utah was successful in showing that habitat conservation projects can, at the very least, nearly negate the negative results that mining alone has been observed to come with, if not actually result in a net improvement.

Greater sage-grouse populations have begun to come back up since 2013 due largely to a \$200 million protection effort from 11 western US states that has spanned over half a century. <sup>5</sup> The findings from Sink Valley are an especially promising addition to this progress because they suggest that it can be continued without sacrificing energy development efforts.

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148. Haug, D. E., & Eggett, D. L. (2017). The Greater Sage-grouse: Facts, Myths and Myths. *U.S. Fish and Wildlife Service*

149. Haug, D. E., & Eggett, D. L. (2017). The Greater Sage-grouse: Facts, Myths and Myths. *U.S. Fish and Wildlife Service*

150. Haug, D. E., & Eggett, D. L. (2017). The Greater Sage-grouse: Facts, Myths and Myths. *U.S. Fish and Wildlife Service*

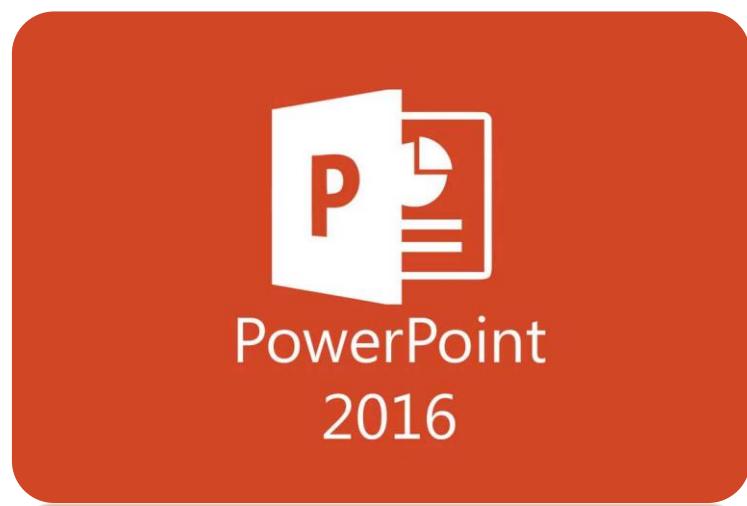
151. Haug, D. E., & Eggett, D. L. (2017). The Greater Sage-grouse: Facts, Myths and Myths. *U.S. Fish and Wildlife Service*

152. Haug, D. E., & Eggett, D. L. (2017). The Greater Sage-grouse: Facts, Myths and Myths. <i

## **Annex**

# **PowerPoint 2016 Guide**

## **(beginner's version)**



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## PowerPoint 2016 Guide (beginner's version)

### 9. PowerPoint 2016 Guide (beginner's version)

#### What is PowerPoint?

PowerPoint is a software that enables the creation of presentations, consisting of slides. It offers multiple possibilities for presentation creation, including static, animated, or dynamic elements. It is a popular communication resource in businesses, used for various purposes like business presentations and event announcements.



Figure 1: Examples of PowerPoint documents

#### The PowerPoint interface

When you open PowerPoint for the first time, the Start Screen will appear. From here, you'll be able to create a new presentation, choose a template, and access your recently edited presentations. From the Start Screen, locate and select Blank Presentation to access the PowerPoint interface.

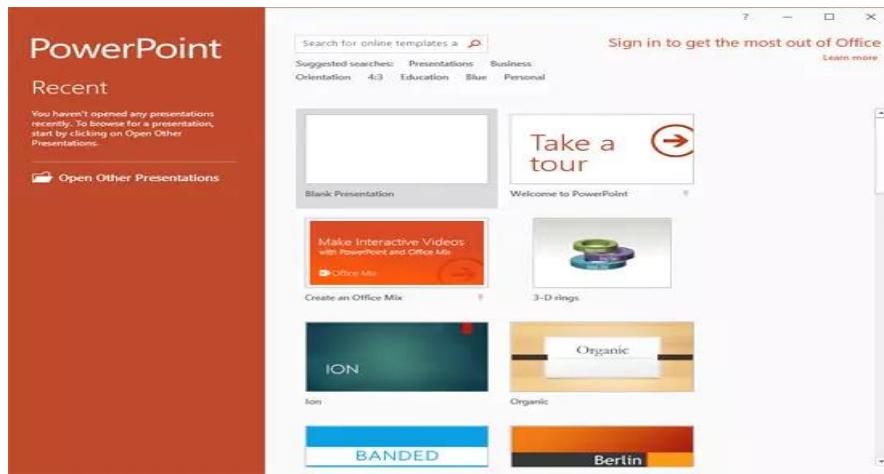


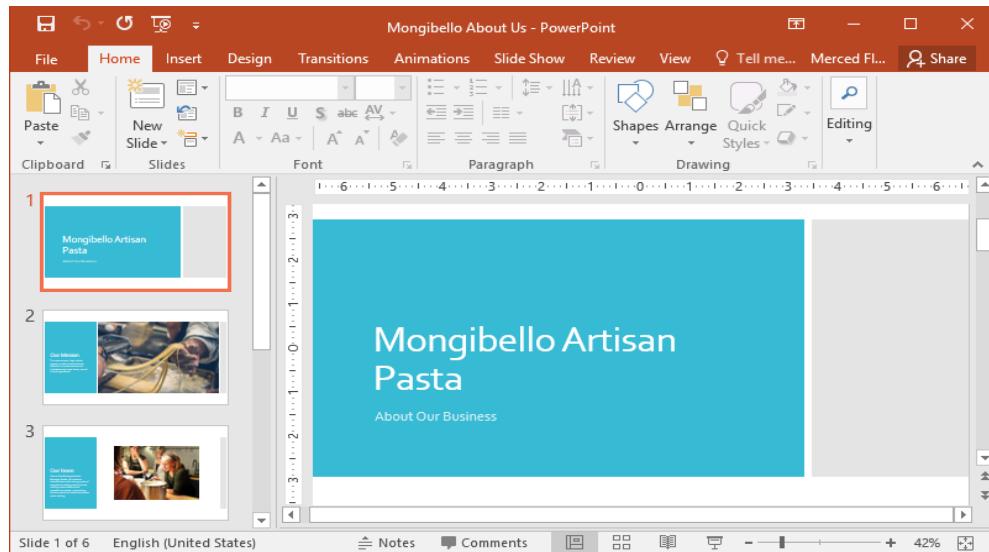
Figure 2: PowerPoint 2016 Presentation Gallery

#### Working with the PowerPoint environment

The **Ribbon** and **Quick Access Toolbar** are where you will find the commands to perform common tasks in PowerPoint. **Backstage view** gives you various options for saving, opening a file,

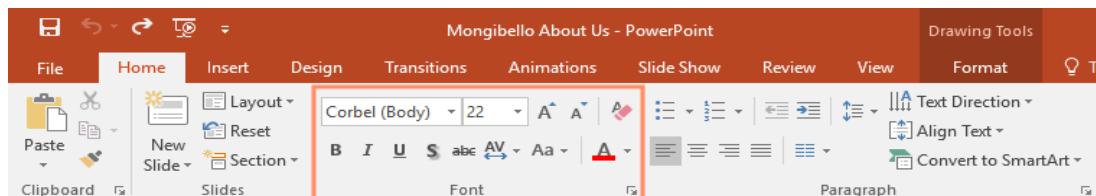
## PowerPoint 2016 Guide (beginner's version)

printing, and sharing your document.

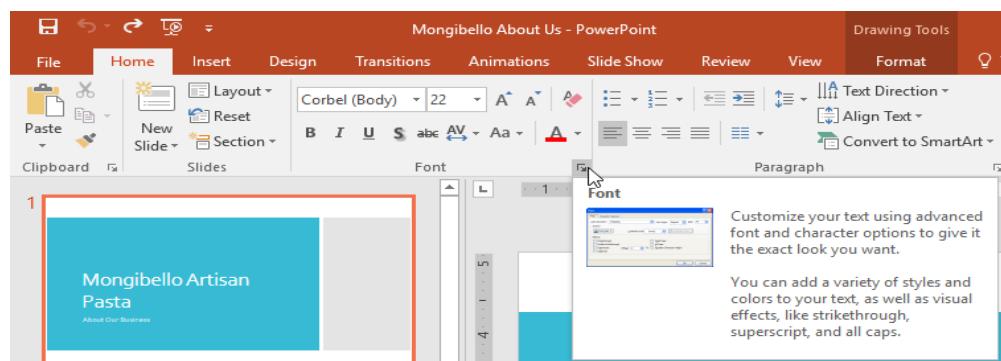


### • The Ribbon

PowerPoint uses a tabbed Ribbon system instead of traditional menus. The Ribbon contains multiple tabs, each with several groups of commands. For example, the Font group on the Home tab contains commands for formatting text in your document.



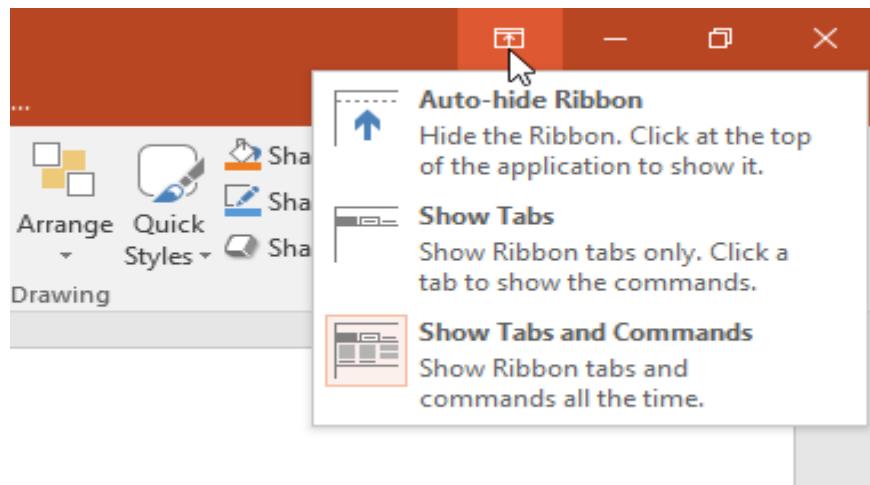
Some groups also have a small arrow in the bottom-right corner that you can click for even more options.



## PowerPoint 2016 Guide (beginner's version)

- **Showing and hiding the Ribbon**

The Ribbon is designed to respond to your current task, but you can choose to minimize it if you find that it takes up too much screen space. Click the Ribbon Display Options arrow in the upper-right corner of the Ribbon to display the drop-down menu.

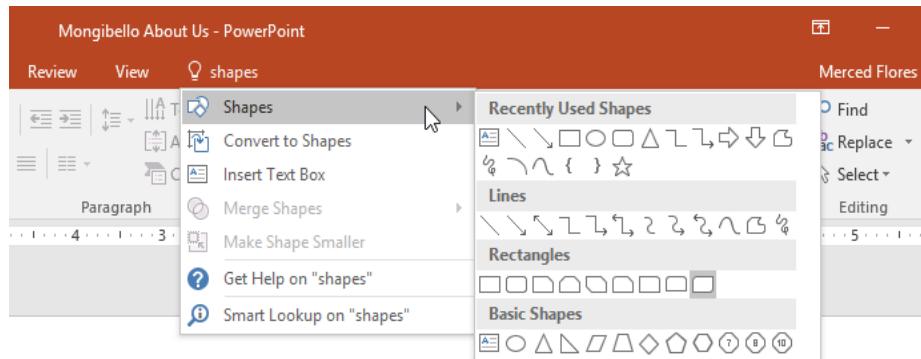


- **Auto-hide Ribbon:** Auto-hide displays your workbook in full-screen mode and completely hides the Ribbon. To show the Ribbon, click the Expand Ribbon command at the top of the screen.
- **Show Tabs:** This option hides all command groups when they're not in use, but tabs will remain visible. To show the Ribbon, simply click a tab.
- **Show Tabs and Commands:** This option maximizes the Ribbon. All of the tabs and commands will be visible. This option is selected by default when you open PowerPoint for the first time.

- **Using the Tell me feature**

If you're having trouble finding the command you want, the Tell Me feature can help. It works just like a regular search bar: Type what you're looking for, and a list of options will appear. You can then use the command directly from the menu without having to find it on the Ribbon.

## PowerPoint 2016 Guide (beginner's version)

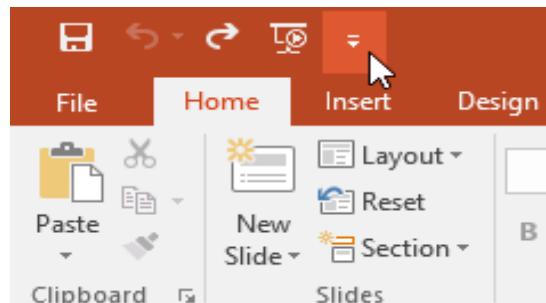


- **The Quick Access Toolbar**

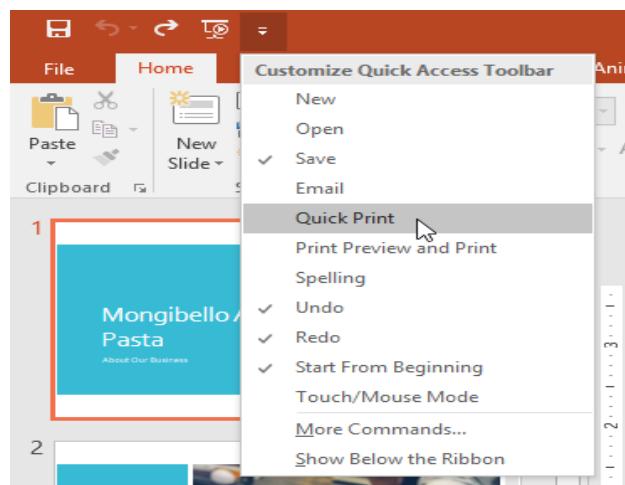
Located just above the Ribbon, the Quick Access Toolbar lets you access common commands no matter which tab is selected. By default, it includes the Save, Undo, Redo, and Start From Beginning commands. You can add other commands depending on your preference.

- **To add commands to the Quick Access Toolbar:**

1- Click the drop-down arrow to the right of the Quick Access Toolbar.



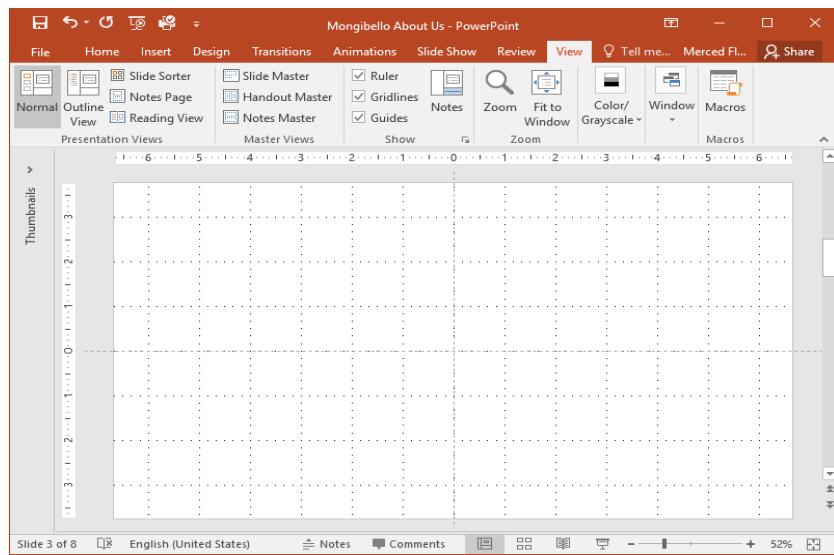
2- Select the command you want to add from the drop-down menu. To choose from more commands, select More Commands.



## PowerPoint 2016 Guide (beginner's version)

- **The Ruler, guides, and gridlines**

PowerPoint includes several tools to help organize and arrange content on your slides, including the Ruler, guides, and gridlines. These tools make it easier to align objects on your slides. Simply click the check boxes in the Show group on the View tab to show and hide these tools.

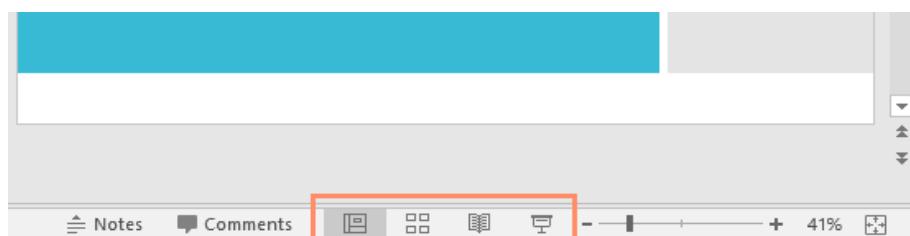


- **Zoom and other view options**

PowerPoint has a variety of viewing options that change how your presentation is displayed. You can choose to view your presentation in Normal view, Slide Sorter view, Reading view, or Slide Show view. You can also zoom in and out to make your presentation easier to read.

- **Switching slide views**

Switching between different slide views is easy. Just locate and select the desired slide view command in the bottom-right corner of the PowerPoint window.

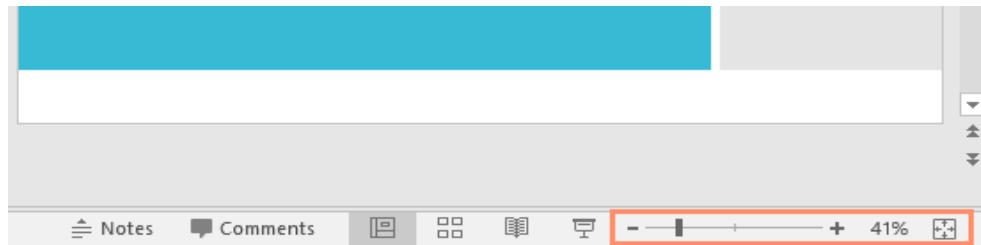


- **Zooming in and out**

To zoom in or out, click and drag the zoom control slider in the bottom-right corner of the PowerPoint window. You can also select the + or - commands to zoom in or out by smaller increments. The

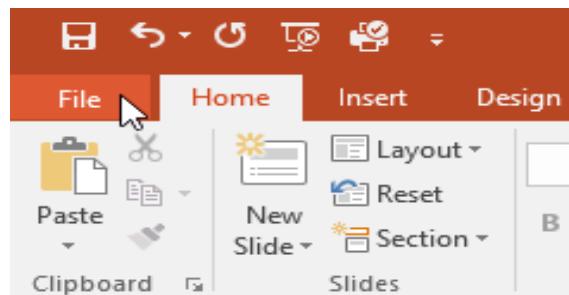
## PowerPoint 2016 Guide (beginner's version)

number next to the slider displays the current zoom percentage, also called the zoom level.



- **Backstage view**

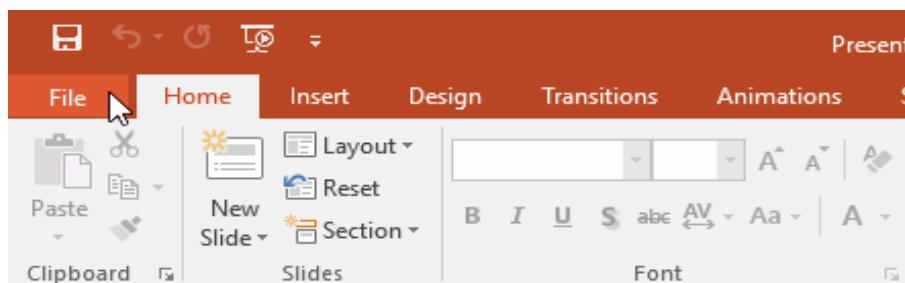
Backstage view gives you various options for saving, opening, printing, and sharing your presentations. To access the Backstage view, click the File tab on the Ribbon.



### 4. To create a new presentation:

When beginning a new project in PowerPoint, you'll often want to start with a new blank presentation.

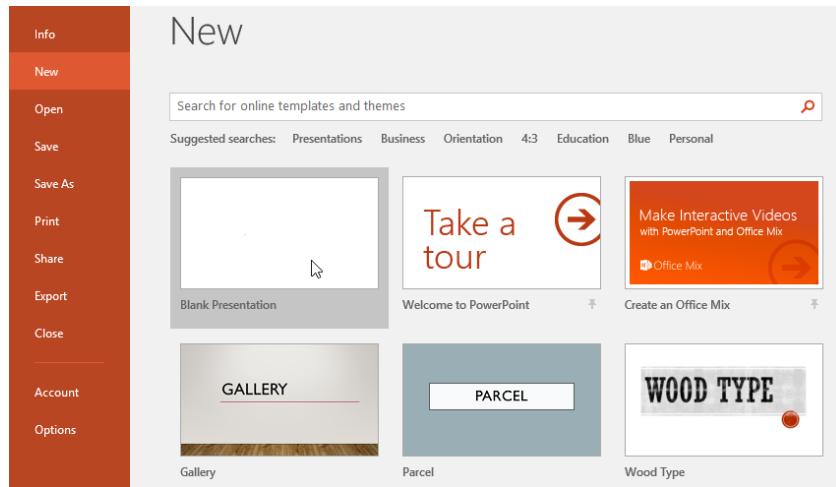
1- Select the File tab to go to Backstage view.



2- Select New on the left side of the window, then click Blank Presentation.

3- A new presentation will appear.

## PowerPoint 2016 Guide (beginner's version)

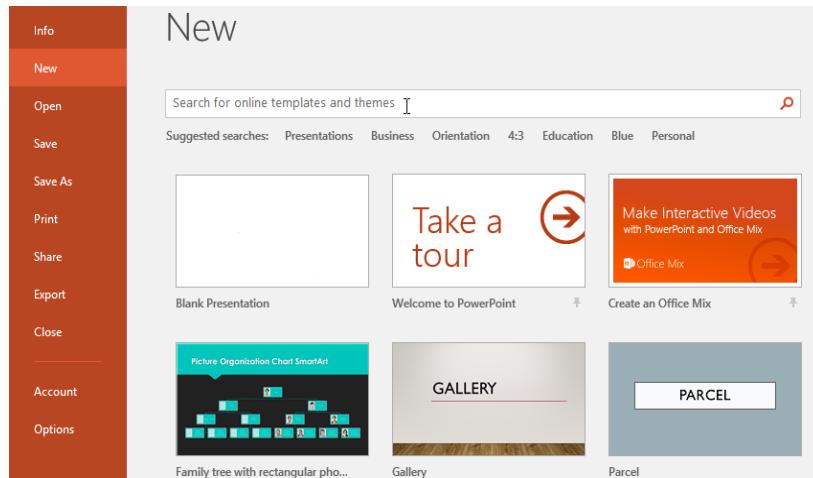


- **To create a new presentation from a template:**

A template is a predesigned presentation you can use to create a new slide show quickly. Templates often include custom formatting and designs, so they can save you a lot of time and effort when starting a new project.

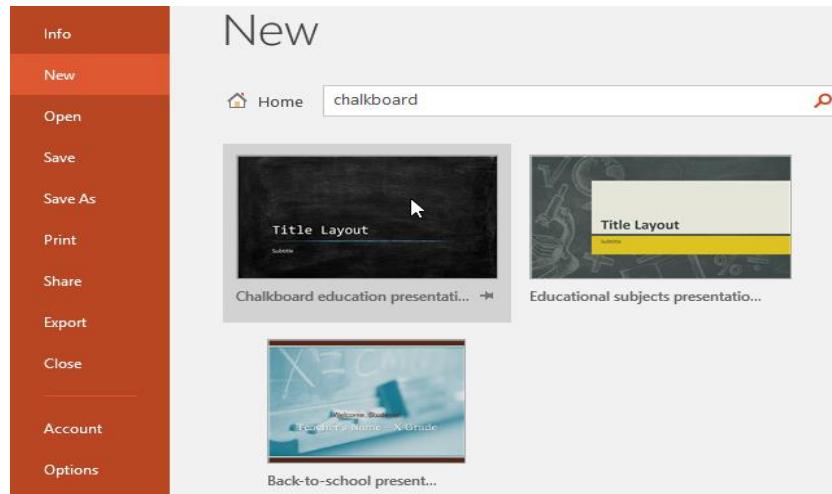
1-Click the **File** tab to access **Backstage view**, then select **New**.

2-You can click a suggested search to find templates or use the search bar to find something more specific. In our example, we'll search for the keyword chalkboard.



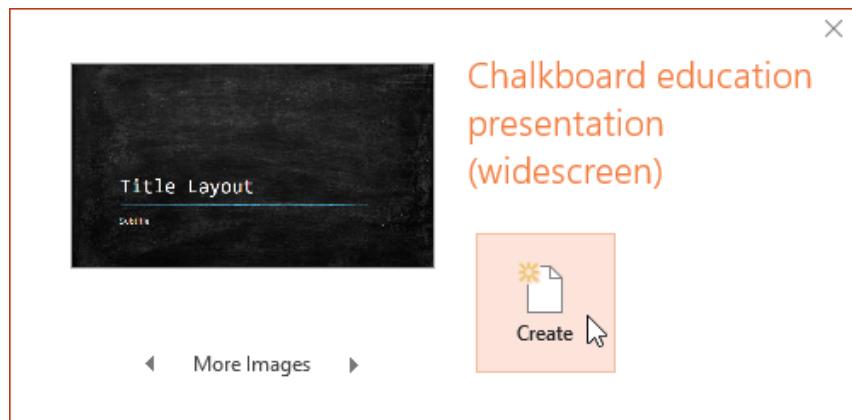
3- Select a template to review it.

## PowerPoint 2016 Guide (beginner's version)



4- A preview of the template will appear, along with additional information on how the template can be used.

5- Click Create to use the selected template.



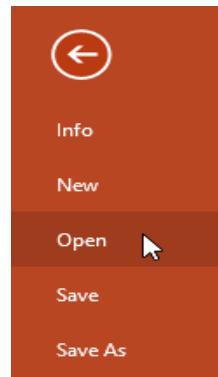
6- A new presentation will appear with the selected template.

- **To open an existing presentation:**

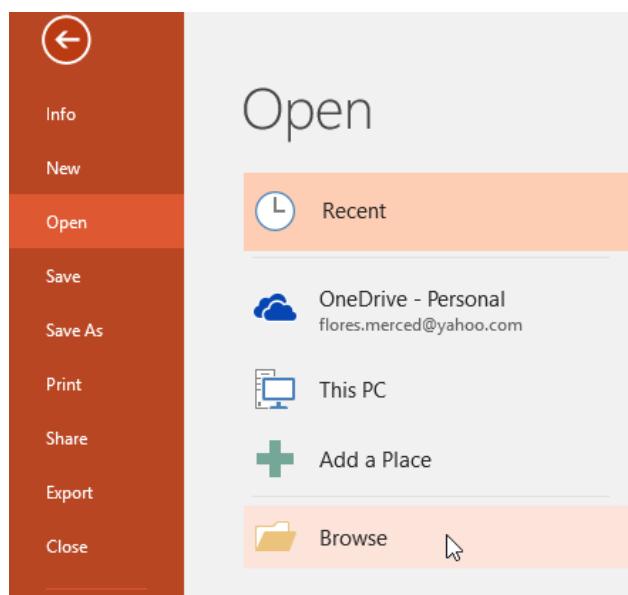
In addition to creating new presentations, you'll often need to open a presentation that was previously saved. To learn more about saving presentations, visit our lesson on Saving Presentations.

1- Select the File tab to go to Backstage view, then click Open.

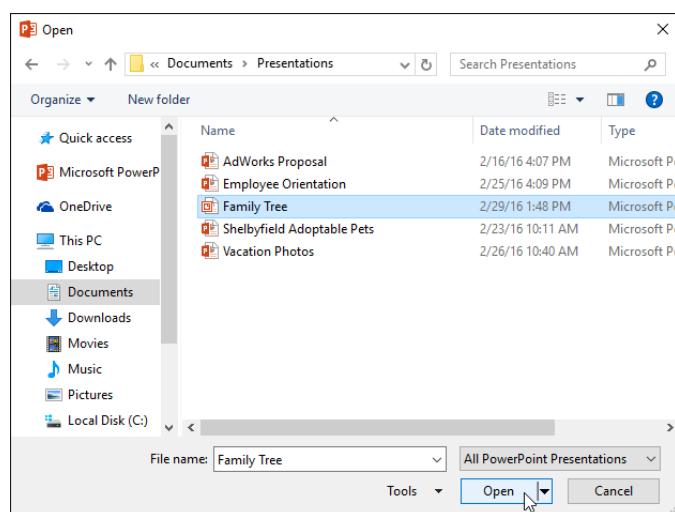
## PowerPoint 2016 Guide (beginner's version)



2- Click Browse. Alternatively, you can choose OneDrive to open files stored on your OneDrive.



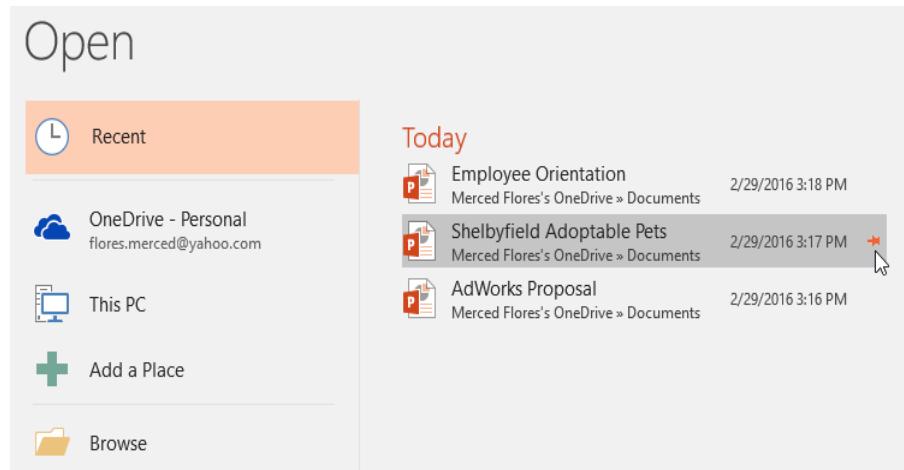
3- The Open dialog box will appear. Locate and select your presentation, then click Open.



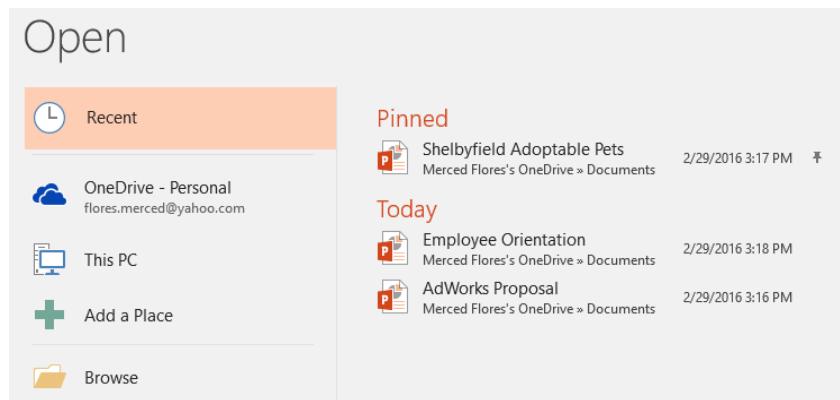
## PowerPoint 2016 Guide (beginner's version)

- **To pin a presentation:**

- 1- If you frequently work with the same presentation, you can pin it to Backstage view for easy access.
- 2- Select the File tab to go to Backstage view, then click Open. Your Recent Presentations will appear. Hover the mouse over the presentation you want to pin, then click the pushpin icon.



- 3- The presentation will stay in the Recent presentations list until it is unpinned. To unpin a presentation, click the pushpin icon again.



- **Compatibility Mode**

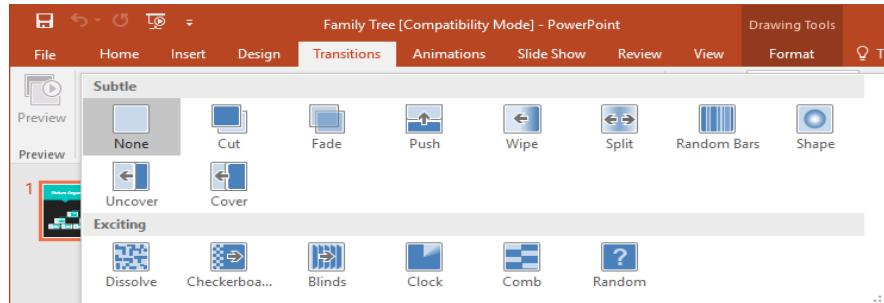
Sometimes you may need to work with presentations that were created in earlier versions of PowerPoint, like PowerPoint 2003 or PowerPoint 2000. When you open these types of presentations, they will appear in Compatibility Mode.

Compatibility Mode disables certain features, so you'll only be able to access commands found in the program that was used to create the presentation. For example, if you open a presentation created in PowerPoint 2003, you can only use tabs and commands found in PowerPoint 2003.

In the image below, you can see at the top of the window that the presentation is in Compatibility

## PowerPoint 2016 Guide (beginner's version)

Mode. This will disable some PowerPoint 2016 features, including newer types of slide transitions.



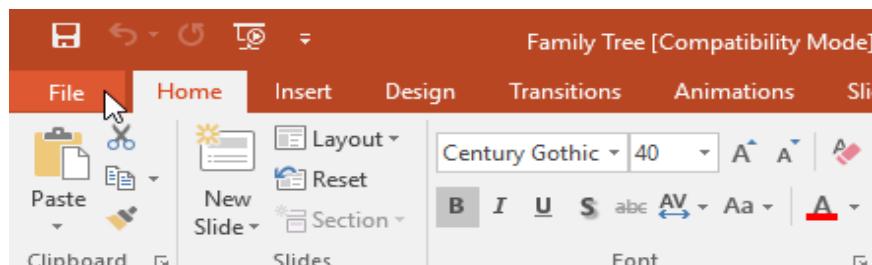
To exit Compatibility Mode, you'll need to convert the presentation to the current version type. However, if you're collaborating with others who only have access to an earlier version of PowerPoint, it's best to leave the presentation in Compatibility Mode so the format will not change.

- **To convert a presentation:**

If you want access to all PowerPoint 2016 features, you can convert the presentation to the 2016 file format.

Note that converting a file may cause some changes to the original layout of the presentation.

1- Click the File tab to access Backstage view.

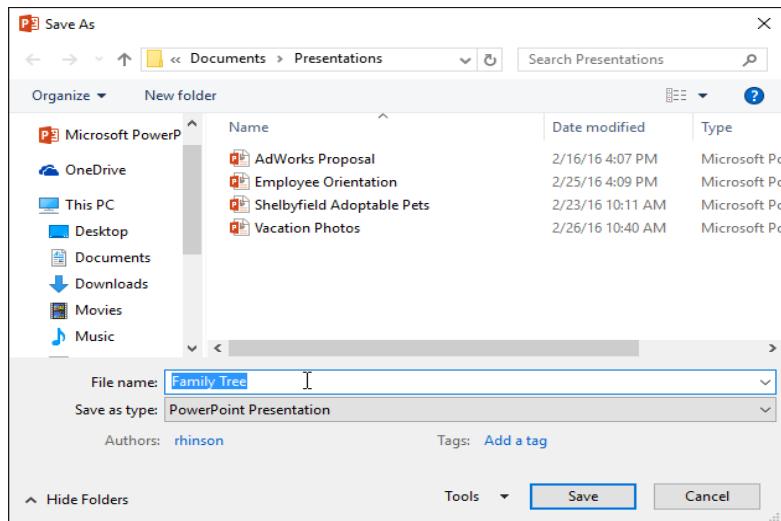


2- Locate and select the Convert command.



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3- The Save As dialog box will appear. Select the location where you want to save the presentation, enter a file name, and click Save.



4- The presentation will be converted to the newest file type.

- **Saving Presentations**

Whenever you create a new presentation in PowerPoint, you'll need to know how to save it in order to access and edit it later. As with previous versions of PowerPoint, you can save files to your computer. If you prefer, you can also save files to the cloud using OneDrive. You can even export and share presentations directly from PowerPoint.

PowerPoint offers two ways to save a file: Save and Save As. These options work in similar ways, with a few important differences.

➤ **Save:** When you create or edit a presentation, you'll use the Save command to save your changes. You'll use this command most of the time. When you save a file, you'll only need to choose a file name and location the first time. After that, you can just click the Save command to save it with the same name and location.

➤ **Save As:** You'll use this command to create a copy of a presentation while keeping the original. When you use Save As, you'll need to choose a different name and/or location for the copied version.

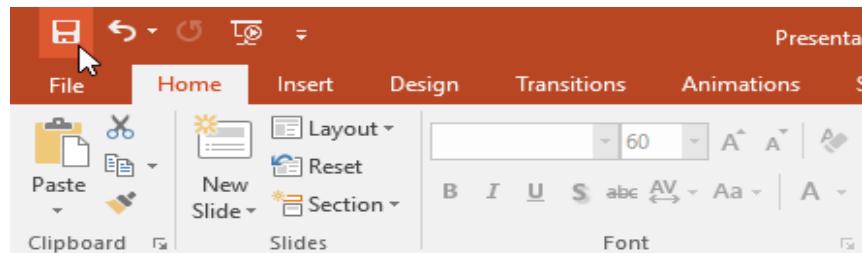
- **To save a presentation:**

It's important to save your presentation whenever you start a new project or make changes to an existing one. Saving early and often can prevent your work from being lost. You'll also need to pay

## PowerPoint 2016 Guide (beginner's version)

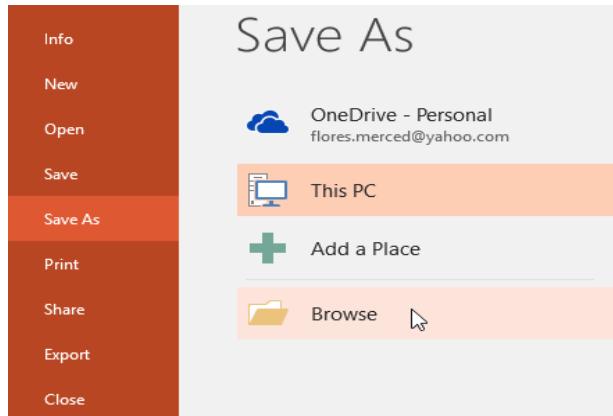
close attention to where you save the presentation so it will be easy to find later.

1- Locate and select the Save command on the Quick Access Toolbar.



2- If you're saving the file for the first time, the Save As pane will appear in Backstage view.

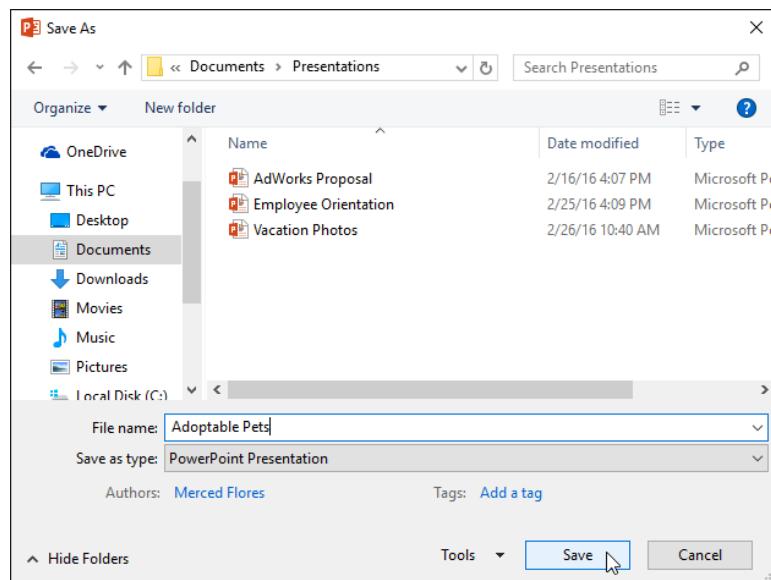
3- You'll then need to choose where to save the file and give it a file name. Click Browse to select a location on your computer. Alternatively, you can click OneDrive to save the file to your OneDrive.



4- The Save As dialog box will appear. Select the location where you want to save the presentation.

5- Enter a file name for the presentation, then click Save.

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6- The presentation will be saved. You can click the Save command again to save your changes as you modify the presentation.

- ❖ You can also access the Save command by pressing **Ctrl+S** on your keyboard.

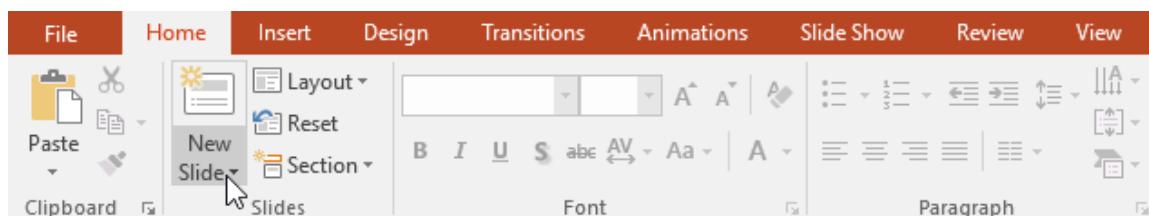
- **Slide Basics**

Every PowerPoint presentation is composed of a series of slides. To begin creating a slide show, you'll need to know the basics of working with slides.

- **To insert a new slide:**

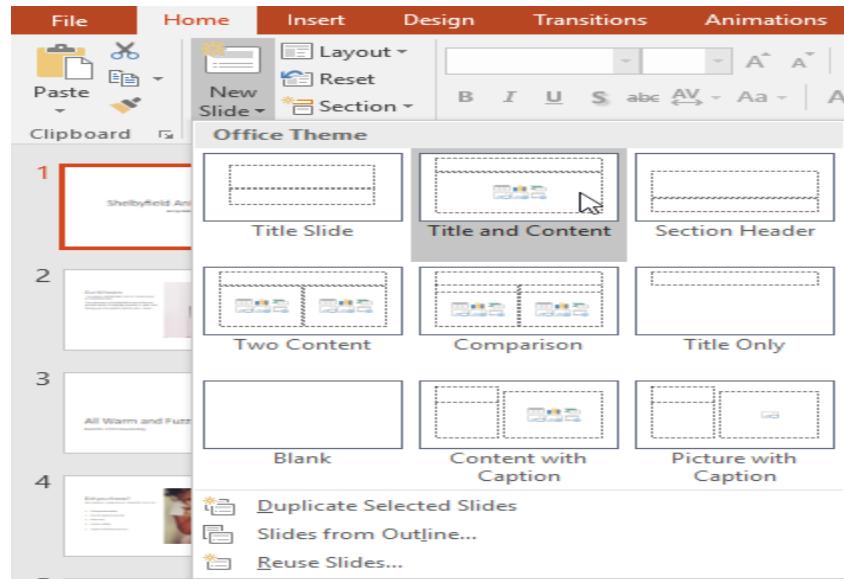
Whenever you start a new presentation, it will contain one slide with the Title Slide layout. You can insert as many slides as you need from a variety of layouts.

1- From the Home tab, click the bottom half of the New Slide command.

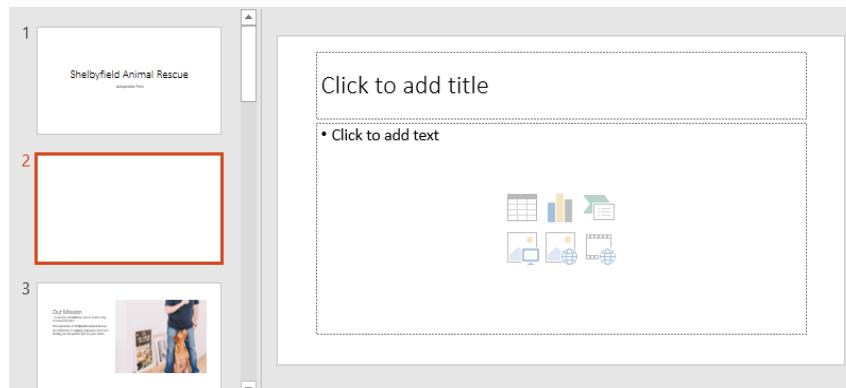


2- Choose the desired slide layout from the menu that appears.

## PowerPoint 2016 Guide (beginner's version)

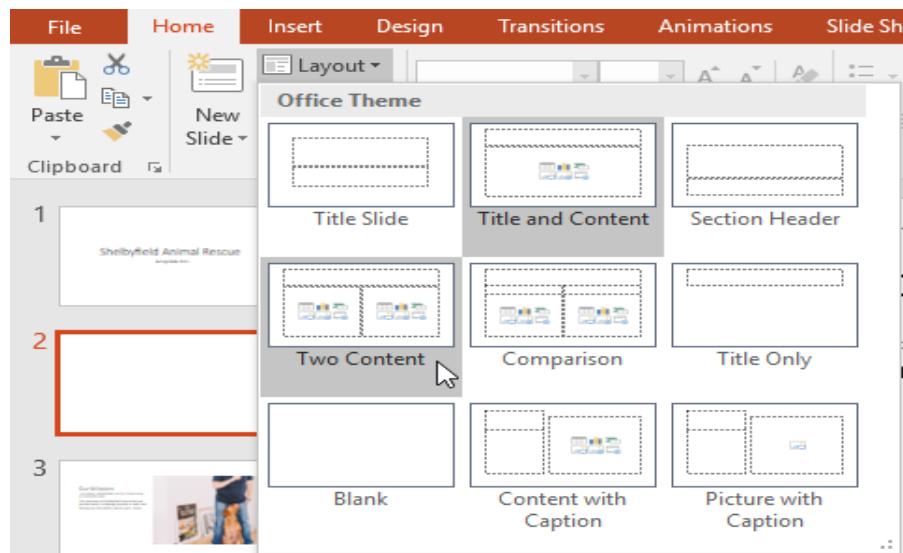


3- The new slide will appear. Click any placeholder and begin typing to add text. You can also click an icon to add other types of content, such as a picture or a chart.

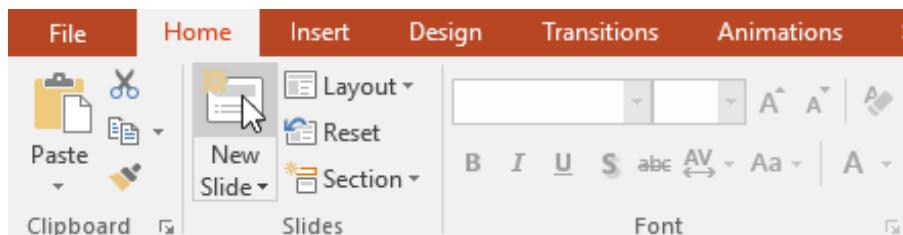


- ❖ To change the layout of an existing slide, click the Layout command, then choose the desired layout.

## PowerPoint 2016 Guide (beginner's version)



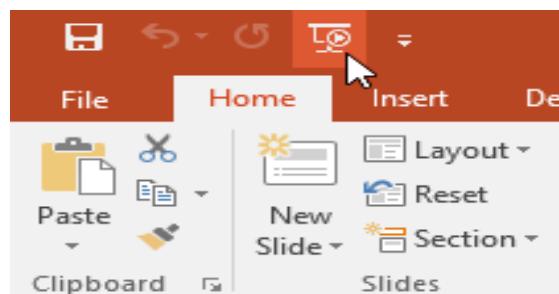
- ❖ To quickly add a slide that uses the same layout as the selected slide, click the top half of the New Slide command.



- **To play the presentation:**

Once you've arranged your slides, you may want to play your presentation. This is how you will present your slide show to an audience.

1- Click the Start from Beginning command on the Quick Access Toolbar to see your presentation.



2- The presentation will appear in full-screen mode.

3- You can advance to the next slide by clicking your mouse or pressing the spacebar on your keyboard. Alternatively, you can use the arrow keys on your keyboard to move forward or backward

## PowerPoint 2016 Guide (beginner's version)

through the presentation.

4- Press the Esc key to exit presentation mode.

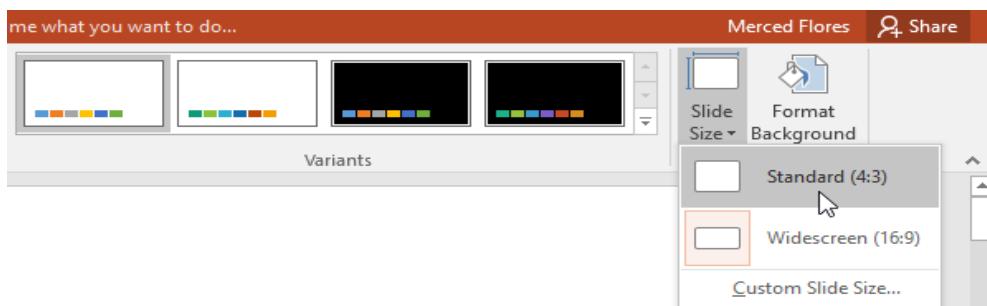
- ❖ You can also press the F5 key at the top of your keyboard to start a presentation.

- **Customizing slides**

To change the slide size:

By default, all slides in PowerPoint 2013 use a 16-by-9 or widescreen aspect ratio. You might know that widescreen TVs also use the 16:9 aspect ratio. Widescreen slides will work best with widescreen monitors and projectors. However, if you need your presentation to fit a 4:3 screen, it's easy to change the slide size to fit.

- ❖ To change the slide size, select the Design tab, then click the Slide Size command. Choose the desired slide size from the menu that appears, or click Custom Slide Size for more options.



- **To format the slide background:**

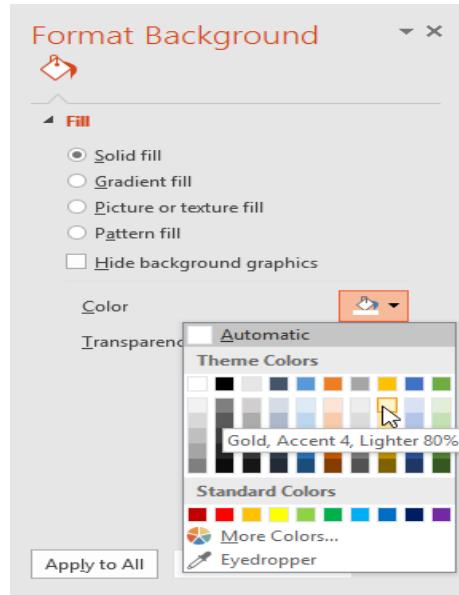
By default, all slides in your presentation use a white background. It's easy to change the background style for some or all of your slides. Backgrounds can have a solid, gradient, pattern, or picture fill.

1- Select the Design tab, then click the Format Background command.



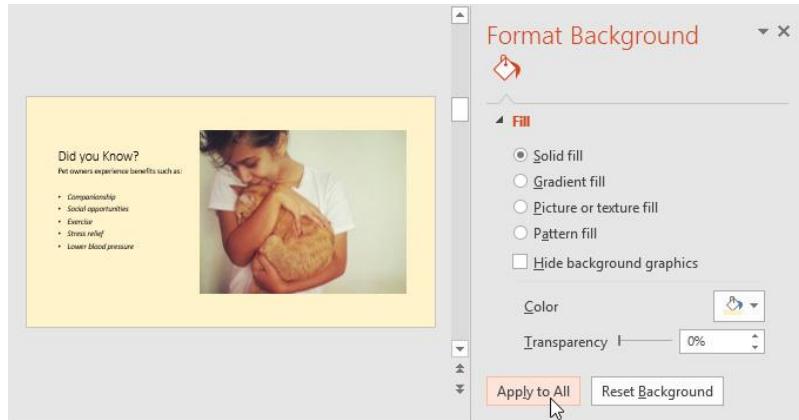
2- The Format Background pane will appear on the right. Select the desired fill options. In our example, we'll use a Solid fill with a light gold color.

## PowerPoint 2016 Guide (beginner's version)



3- The background style of the selected slide will update.

4- If you want, you can click Apply to All to apply the same background style to all slides in your presentation.



- **To apply a theme**

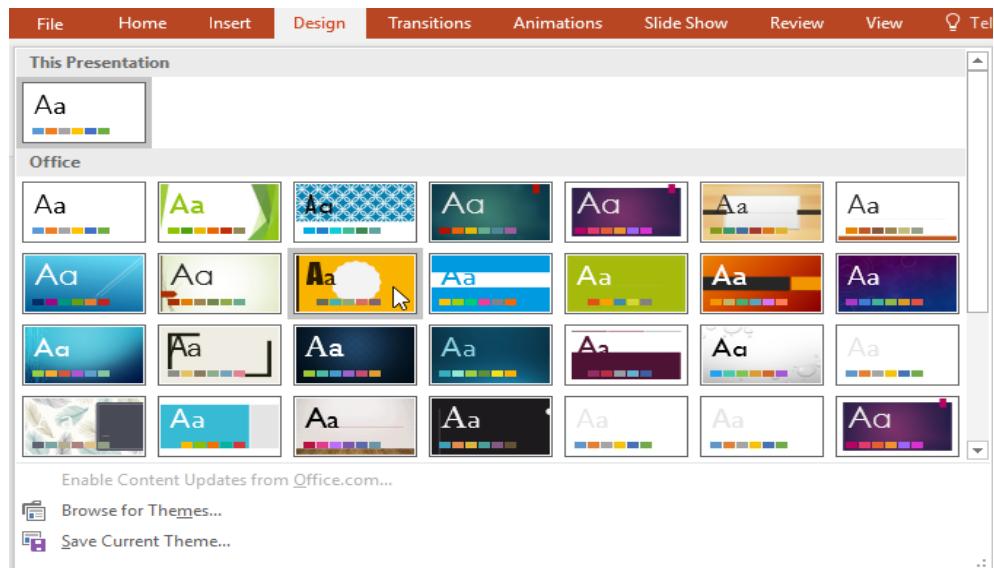
A theme is a predefined combination of colors, fonts, and effects that can quickly change the look and feel of your entire slide show. Different themes also use different slide layouts, which can change the arrangement of your existing placeholders. We'll talk more about themes later in our Applying Themes lesson.

1-Select the Design tab on the Ribbon, then click the More drop-down arrow to see all of the available themes.

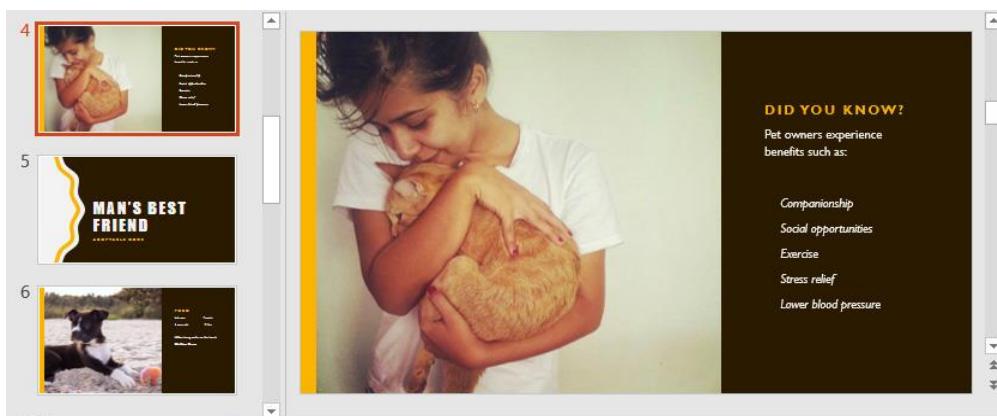
## PowerPoint 2016 Guide (beginner's version)



2- Select the desired theme.



3- The theme will be applied to your entire presentation.



Try applying a few different themes to your presentation. Some themes will work better than others, depending on your content.

### 5. Text Basics

- **To select text**

Before you can move or arrange text, you'll need to select it.

➤ Click next to the text you want to select, drag the mouse over the text, then release your mouse.

The text will be selected.

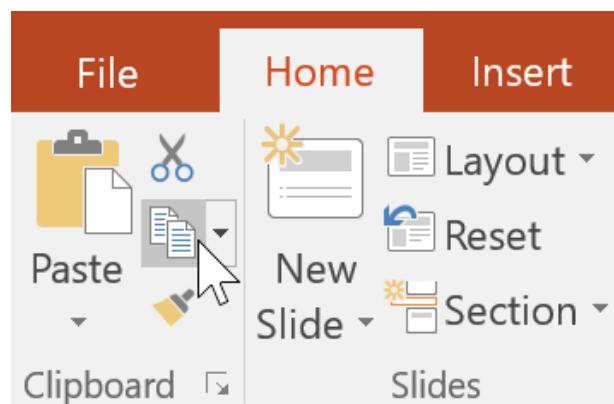


- **Copying and moving text**

PowerPoint allows you to copy text that is already on a slide and paste it elsewhere, which can save you time. If you want to move text, you can cut and paste or drag and drop the text.

- **To copy and paste text:**

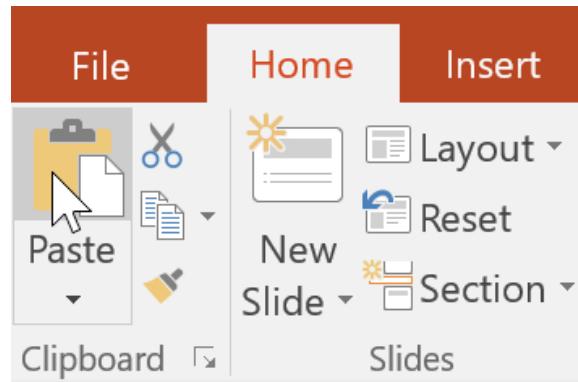
1- Select the text you want to copy, then click the Copy command on the Home tab.



2- Place the insertion point where you want the text to appear.

## PowerPoint 2016 Guide (beginner's version)

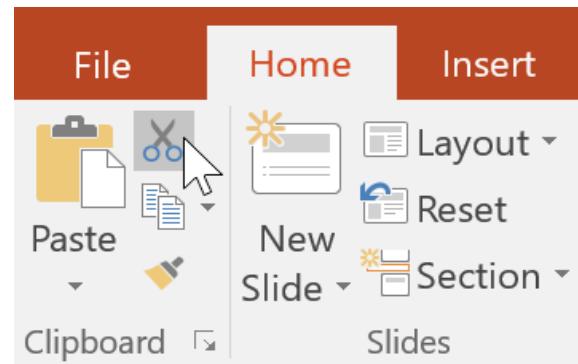
3 - Click the Paste command on the Home tab.



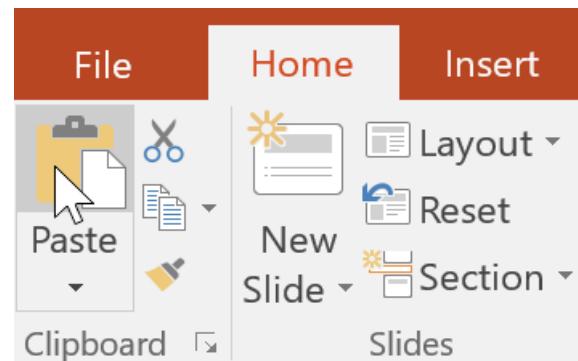
4- The copied text will appear.

- **To cut and paste text:**

1- Select the text you want to move, then click the Cut command.



2- Place the insertion point where you want the text to appear, then click the Paste command.



3- The text will appear in the new location.

- ❖ You can access the **cut**, **copy**, and **paste** commands by using keyboard shortcuts.

## PowerPoint 2016 Guide (beginner's version)

Press **Ctrl+X** to cut, **Ctrl+C** to copy, and **Ctrl+V** to paste.

- **To drag and drop text:**

1- Select the text you want to move, then click and drag the text to the desired location.



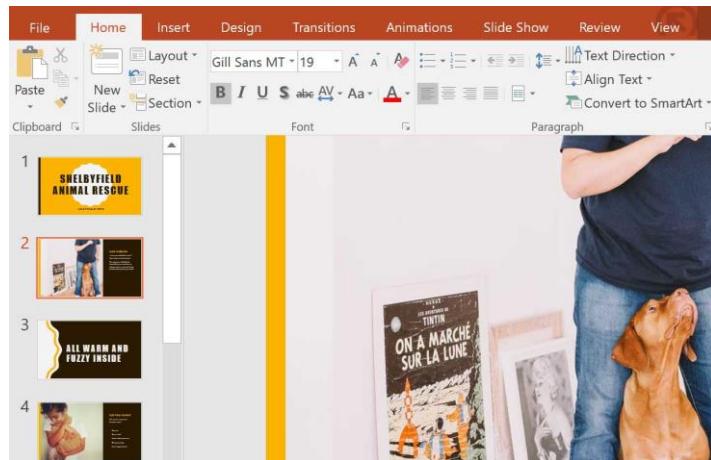
2- The text will appear in the new location.



- **Formatting and aligning text**

Formatted text can draw your audience's attention to specific parts of a presentation and emphasize important information. In PowerPoint, you have several options for adjusting your text, including size and color. You can also adjust the alignment of the text to change how it is displayed on the slide.

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### ➤ Font Group Commands

- ✓ **Font Style:** Change the font of your text.
- ✓ **Font Size:** Adjust the size of your text.
- ✓ **Bold, Italic, Underline:** Apply these styles to emphasize text.
- ✓ **Font Color:** Change the color of your text.
- ✓ **Text Effects:** Add effects like shadow, glow, or reflection.
- ✓ **Change Case:** Quickly switch between uppercase, lowercase, or other text cases.
- ✓ **Highlight Text:** Highlight specific parts of your text.

### ➤ Paragraph Group Commands

- ✓ **Alignment:** Align text to the left, center, right, or justify it.
- ✓ **Line and Paragraph Spacing:** Adjust the spacing between lines or paragraphs.
- ✓ **Bullets and Numbering:** Create bulleted or numbered lists.
- ✓ **Indentation:** Increase or decrease the indentation of your text.
- ✓ **Borders and Shading:** Add borders or shading to paragraphs.

## 6. Transitions and animations

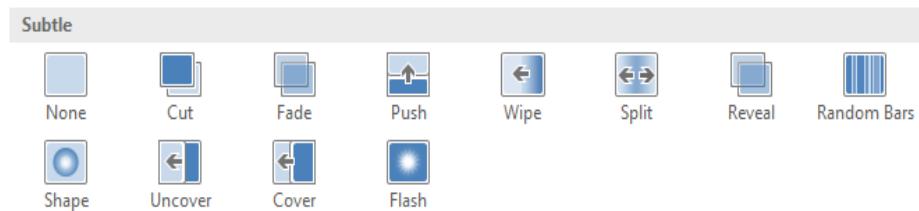
If you've ever seen a PowerPoint presentation that had special effects between each slide, you've seen slide transitions. A transition can be as simple as fading to the next slide or as flashy as an eye-catching effect. PowerPoint makes it easy to apply transitions to some or all of your slides, giving your presentation a polished, professional look.

### • About transitions

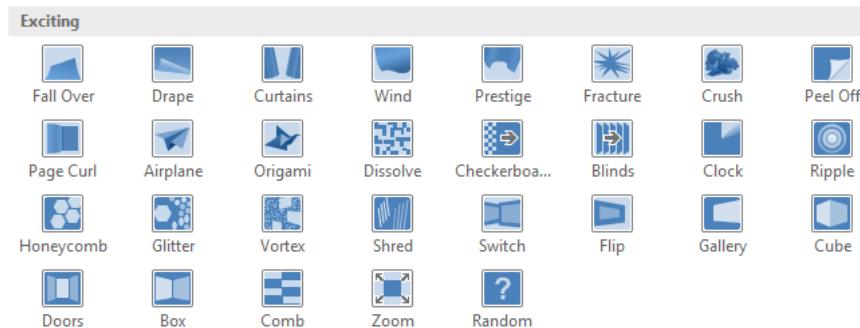
There are three categories of unique transitions to choose from, all of which can be found on the Transitions tab.

## PowerPoint 2016 Guide (beginner's version)

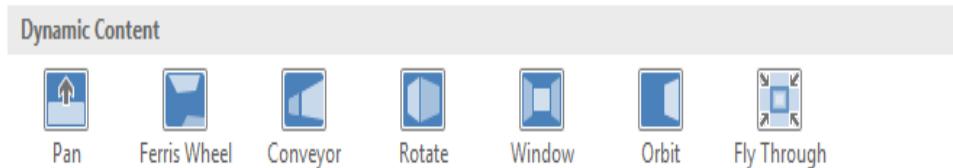
**Subtle:** These are the most basic types of transitions. They use simple animations to move between slides.



**Exciting:** These use more complex animations to transition between slides. While they're more visually interesting than Subtle transitions, adding too many can make your presentation look less professional. However, when used in moderation they can add a nice touch between important slides.



**Dynamic Content:** If you're transitioning between two slides that use similar slide layouts, dynamic transitions will move only the placeholders, not the slides themselves. When used correctly, dynamic transitions can help unify your slides and add a further level of polish to your presentation.



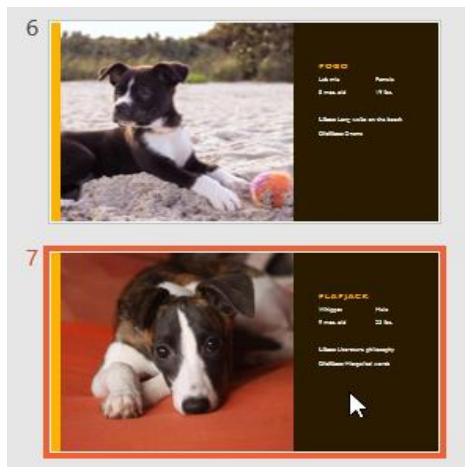
Transitions are best used in moderation. Adding too many transitions can make your presentation look a little silly and can even be distracting to your audience. Consider using mostly subtle transitions, or not using transitions at all.

### To apply a transition

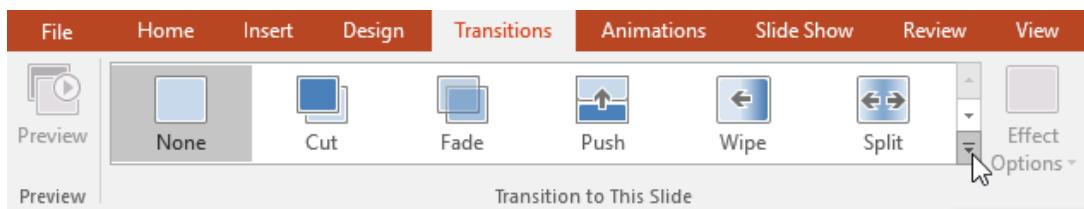
1- Select the desired slide from the Slide Navigation pane. This is the slide that will appear after the

## PowerPoint 2016 Guide (beginner's version)

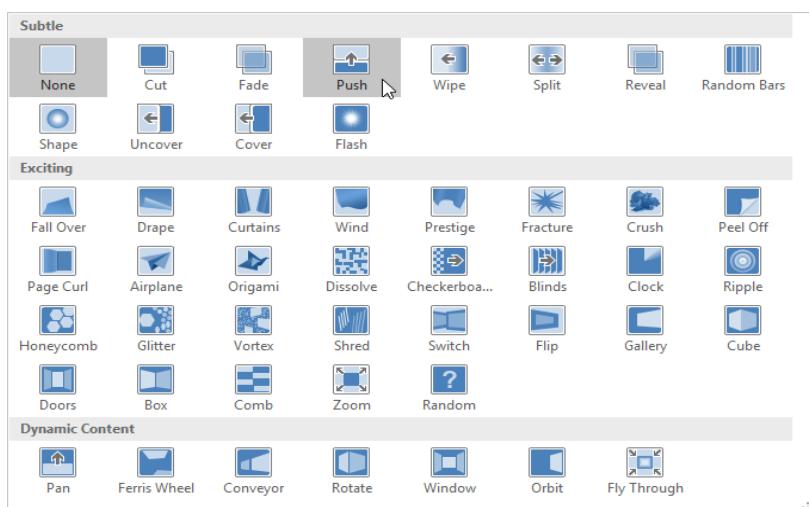
transition.



- 2- Click the Transitions tab, then locate the Transition to This Slide group. By default, none is applied to each slide.
- 3- Click the More drop-down arrow to display all transitions.

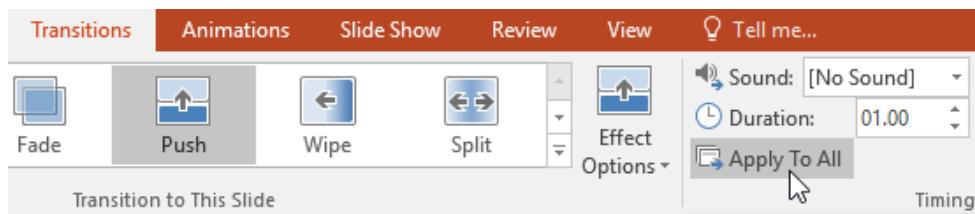


- 4- Click a transition to apply it to the selected slide. This will automatically preview the transition.



You can use the Apply to All command in the Timing group to apply the same transition to all slides in your presentation. Keep in mind that this will modify any other transitions you've applied.

## PowerPoint 2016 Guide (beginner's version)

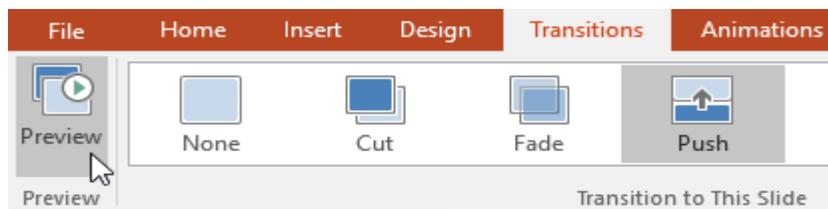


Try applying a few different types of transitions to various slides in your presentation. You may find that some transitions work better than others, depending on the content of your slides.

### To preview a transition

You can preview the transition for a selected slide at any time using either of these two methods:

1-Click the Preview command on the Transitions tab.



2- Click the Play Animations command in the Slide Navigation pane.



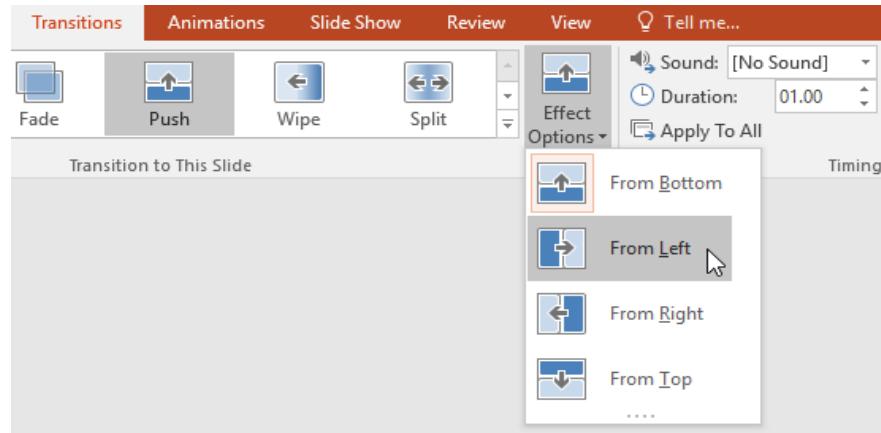
### Modifying transitions

#### To modify the transition effect

You can quickly customize the look of a transition by changing its direction.

1- Select the slide with the transition you want to modify.

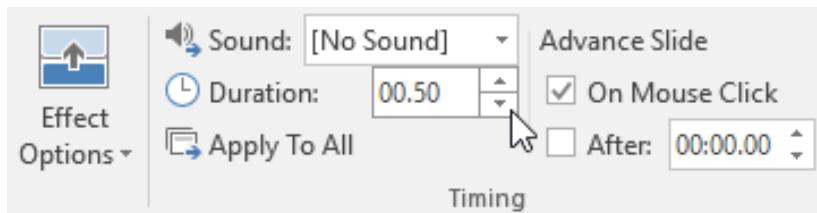
2- Click the Effect Options command and choose the desired option. These options will vary depending on the selected transition.



3- The transition will be modified, and a preview of the transition will appear.

### To modify the transition duration:

- 1- Select the slide with the transition you want to modify.
- 2 - In the Duration field in the Timing group, enter the desired time for the transition. In this example, we'll decrease the time to half a second or 00.50 to make the transition faster.

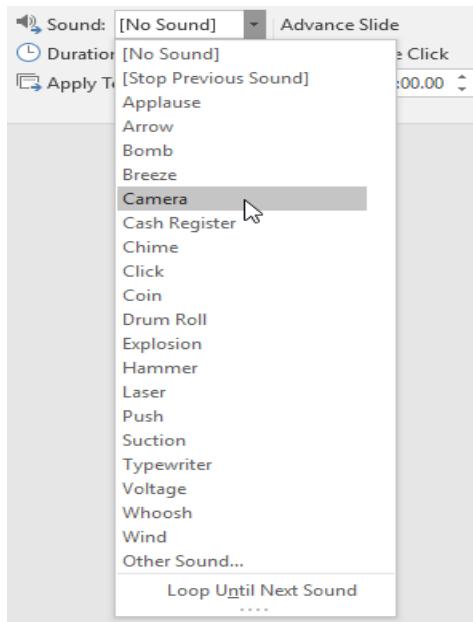


### To add sound:

Select the slide with the transition you want to modify.

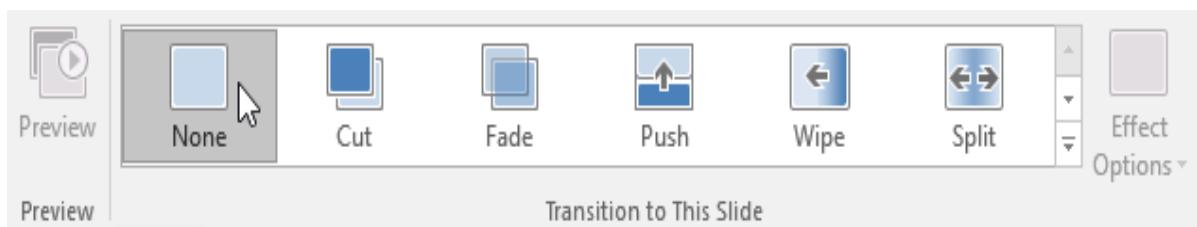
- 1- Click the Sound drop-down menu in the Timing group.
- 2- Click a sound to apply it to the selected slide, then preview the transition to hear the sound.

## PowerPoint 2016 Guide (beginner's version)



### To remove a transition:

- 1- Select the slide with the transition you want to remove.
- 2- Choose None from the Transition to This Slide group. The transition will be removed.



💡 To remove transitions from **all slides**, apply the **None** transition to a slide, then click the **Apply to All** command.

## 7. Display the presentation

- **Presenting Your Slide Show**

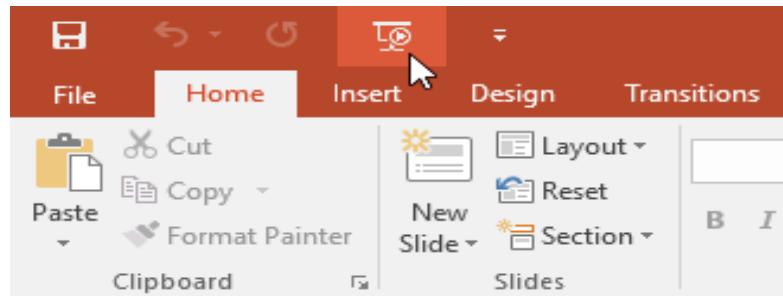
Once your slide show is complete, you'll need to learn how to present it to an audience. PowerPoint offers several tools and features to help make your presentation smooth, engaging, and professional.

- **To start a slide show:**

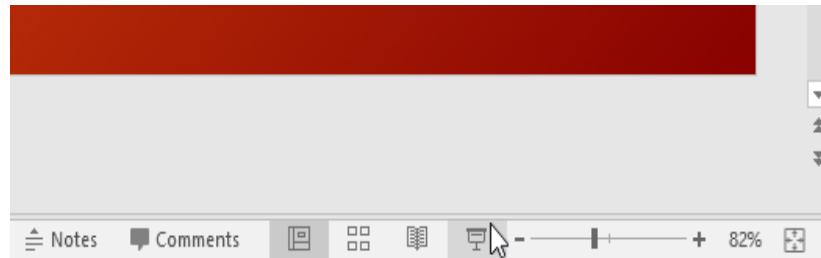
There are several ways you can begin your presentation:

- 1- Click the Start from Beginning command on the Quick Access Toolbar, or press the F5 key at the top of your keyboard. The presentation will appear in full-screen mode.

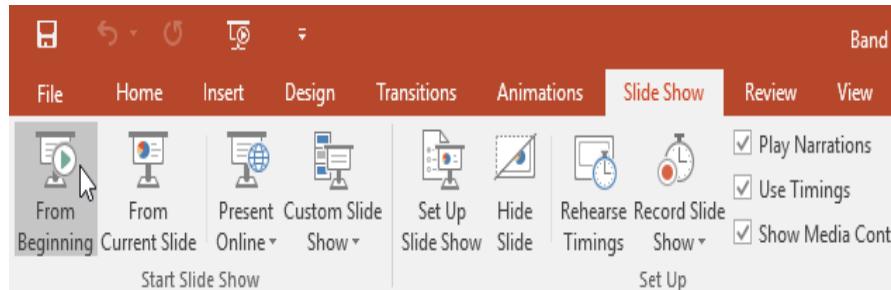
## PowerPoint 2016 Guide (beginner's version)



2- Select the Slide Show view command at the bottom of the PowerPoint window to begin a presentation from the current slide.



3- Go to the Slide Show tab on the Ribbon to access even more options. From here, you can start the presentation from the current slide and access advanced presentation options.

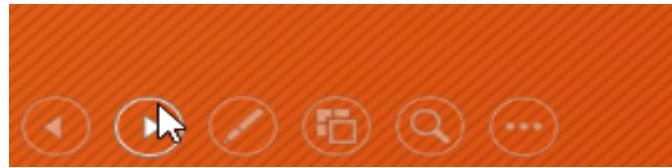


- **To advance and reverse slides:**

You can advance to the next slide by clicking your mouse or pressing the spacebar on your keyboard. Alternatively, you can use arrow keys on your keyboard to move forward or backward through the presentation.

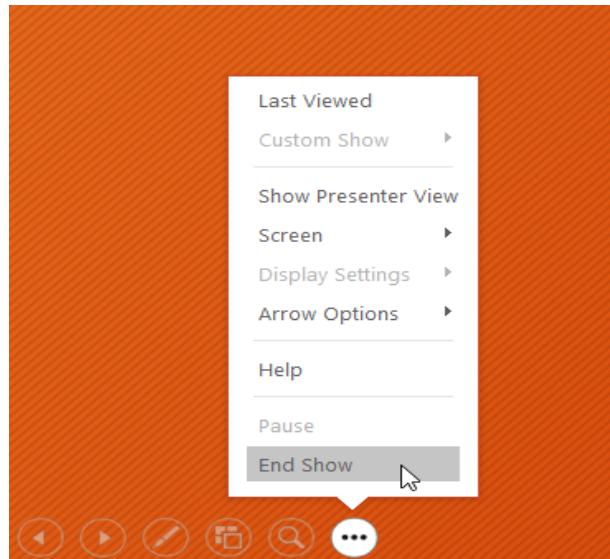
You can also hover your mouse over the bottom-left and click the arrows to move forward or backward.

## PowerPoint 2016 Guide (beginner's version)

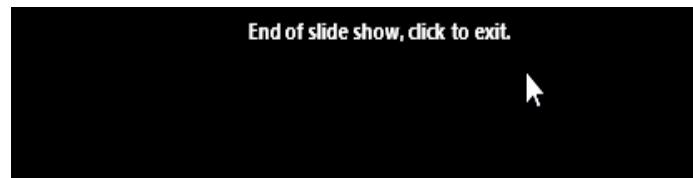


- **To stop a slide show**

You can exit presentation mode by pressing the Esc key on your keyboard. Alternatively, you can click the Slide Show Options button in the bottom-left and select End Show.



The presentation will also end after the last slide. You can click the mouse or press the spacebar to return to Normal view.

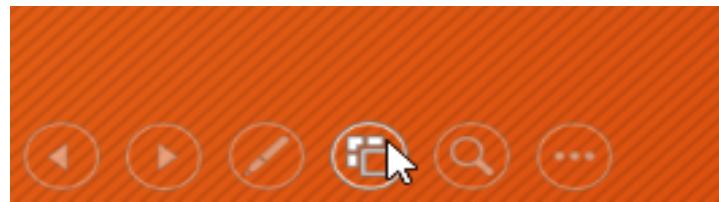


- **To skip to a nonadjacent slide**

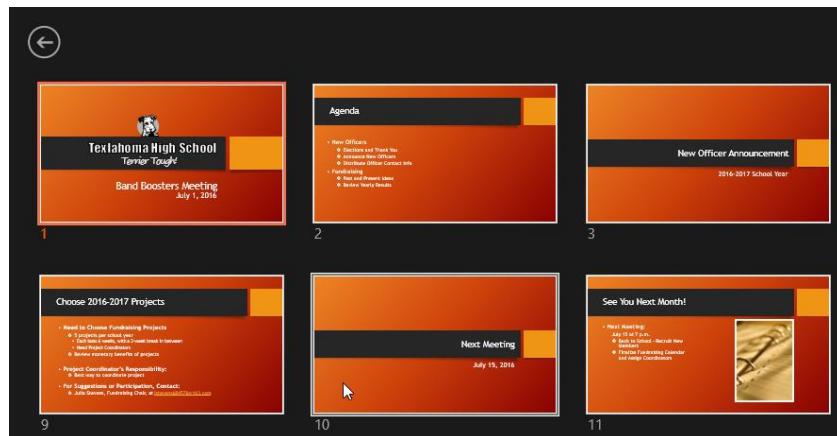
You can jump to slides out of order if needed.

1- Locate and select the See All Slides button in the bottom-left corner.

## PowerPoint 2016 Guide (beginner's version)



2- Thumbnail versions of each slide will appear. Select the slide you want to jump to.



3- The selected slide will appear.

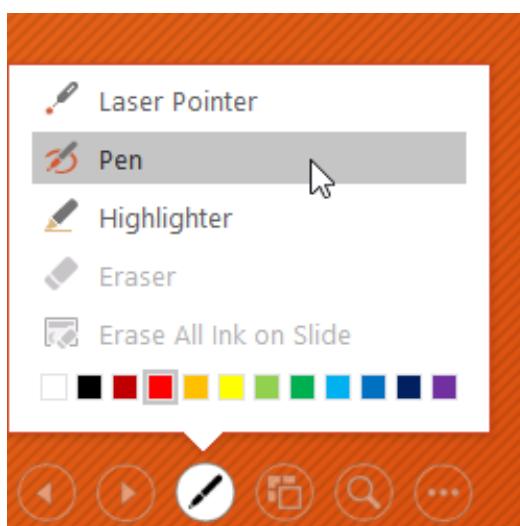
## 8. Basic tips

- **To access drawing tools**

Your mouse pointer can act as a pen or highlighter to draw attention to items in your slides.

1- Locate and select the Pen Tools button in the bottom-left corner.

2- Select a Pen or Highlighter based on your preference. You can also choose a different color from the menu.

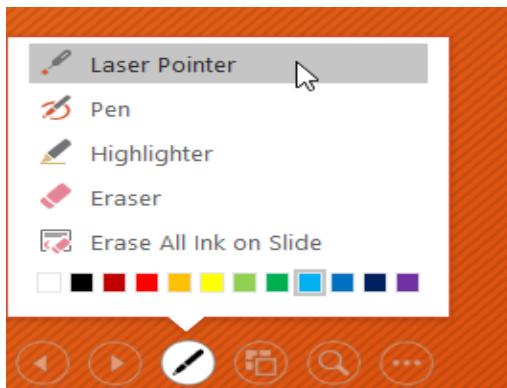


## PowerPoint 2016 Guide (beginner's version)

3- Click and drag the mouse to mark your slides. You can also press Ctrl+P on your keyboard to access the pen tool while presenting your slide show.



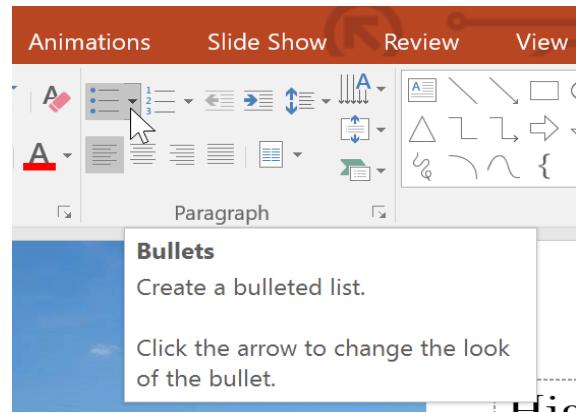
You can also use the laser pointer feature to draw attention to certain parts of your slide. Unlike the pen and highlighter, the laser pointer will not leave markings on your slides. To use the laser pointer, select it from Pen Tools or press and hold the Ctrl key and the left mouse button.



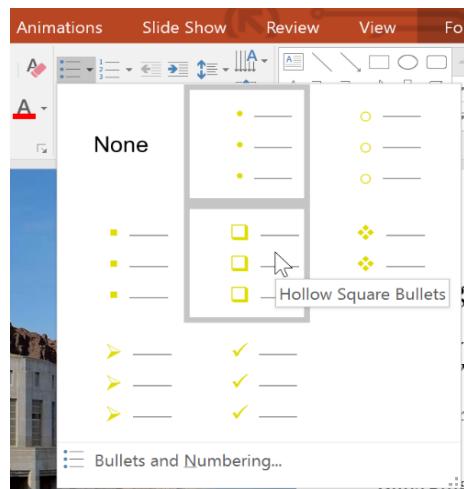
- To modify the bullet style

- 1- Select an existing list you want to format.
- 2- On the Home tab, click the Bullets drop-down arrow.

## PowerPoint 2016 Guide (beginner's version)



3- Select the desired bullet style from the menu that appears.



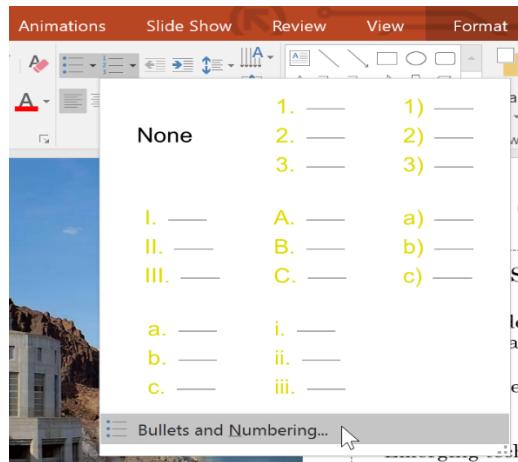
4- The bullet style will appear in the list.

- **To modify a numbered list**

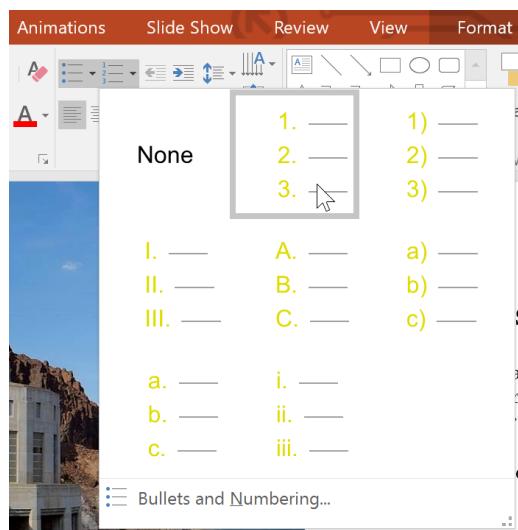
1- Select an existing list you want to format.

2 - On the Home tab, click the Numbering drop-down arrow.

## PowerPoint 2016 Guide (beginner's version)



3 - Select the desired numbering option from the menu that appears.



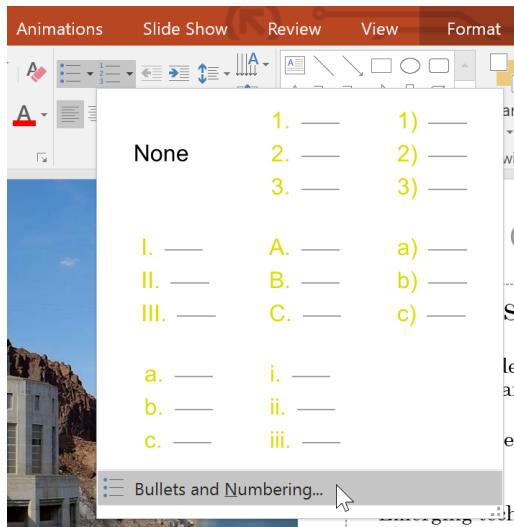
4- The numbering style will appear in the list.

- **To change the starting number:**

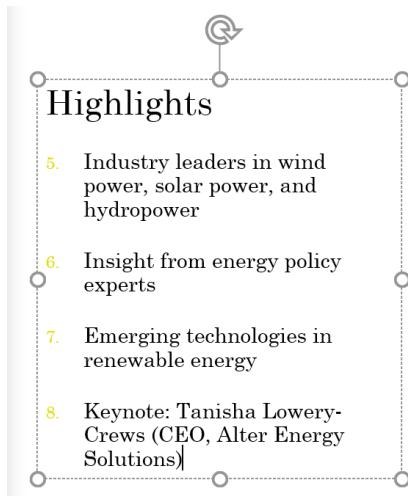
By default, numbered lists count from the number 1. However, sometimes you may want to start counting from a different number, like if the list is a continuation from a previous slide.

- 1- Select an existing numbered list.
- 2- On the Home tab, click the Numbering drop-down arrow.
- 3- Select Bullets and Numbering from the menu that appears.

## PowerPoint 2016 Guide (beginner's version)



4- A dialog box will appear. In the Start At field, enter the desired starting number.



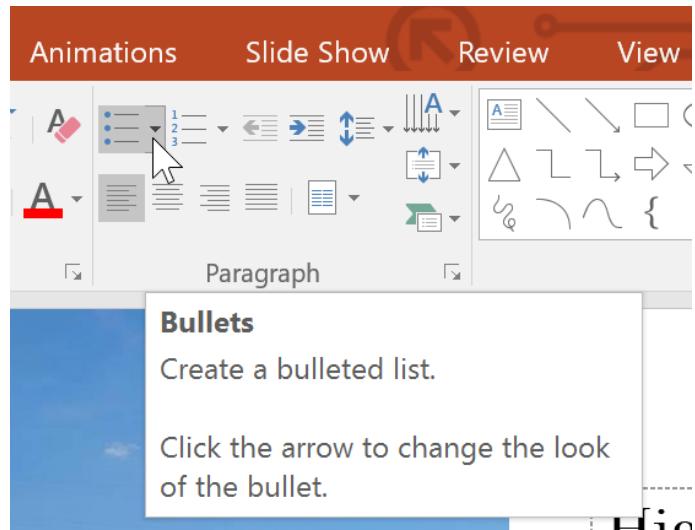
- **Modifying the list's appearance**

Whether you're using a bulleted or numbered list, you may want to change its appearance by adjusting the size and color of the bullets or numbers. This can make your list stand out and match the appearance of your presentation.

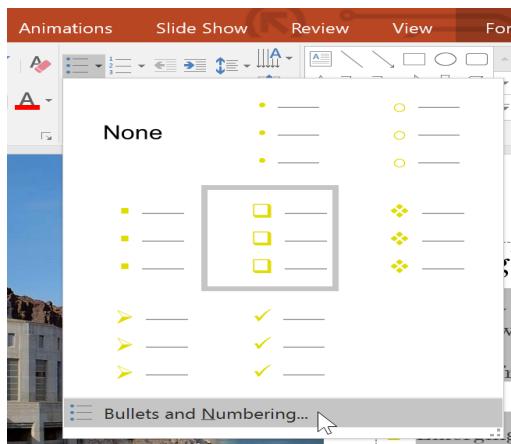
➤ **To modify the size and color**

- 1- Select an existing bulleted list.
- 2 - On the Home tab, click the Bullets drop-down arrow.

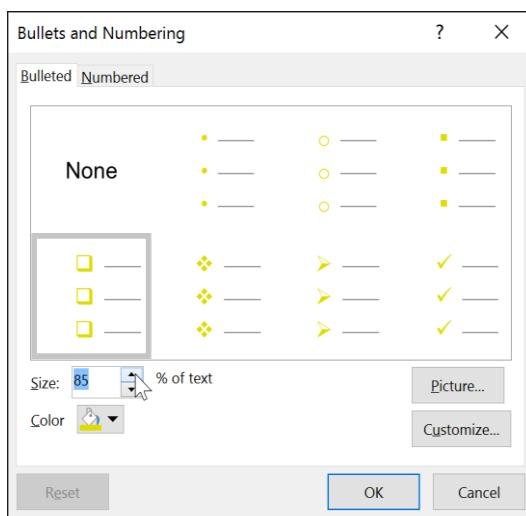
## PowerPoint 2016 Guide (beginner's version)



3- Select Bullets and Numbering from the menu that appears.

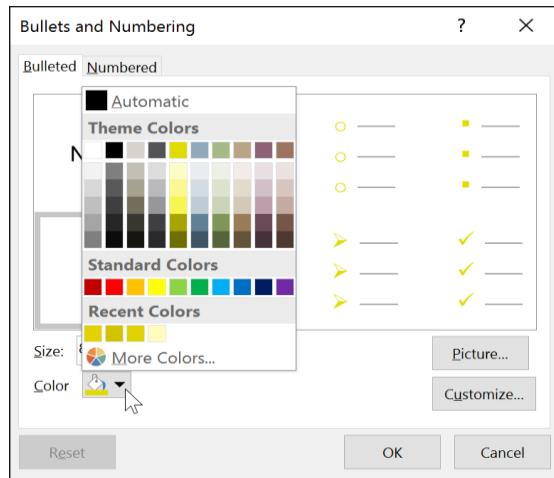


4- A dialog box will appear. In the Size field, set the bullet size.



5 - Click the Color drop-down box and select a color.

## PowerPoint 2016 Guide (beginner's version)



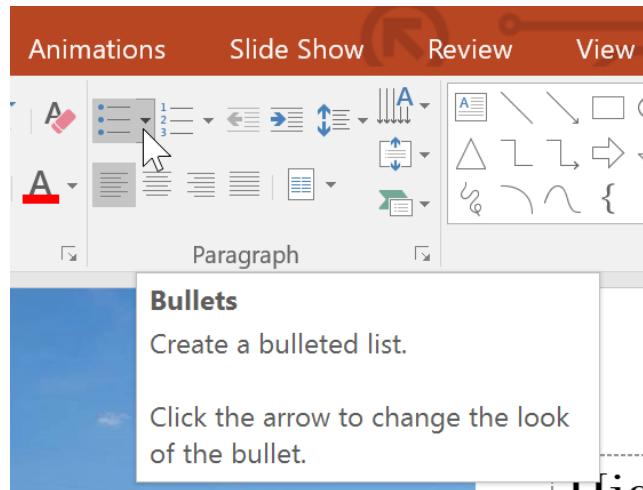
6- Click OK. The list will update to show the new bullet size and color.

### ➤ Customizing bullets

Customizing the look of the bullets in your list can help you emphasize certain list items or personalize the design of your list. A common way to customize bullets is to use symbols.

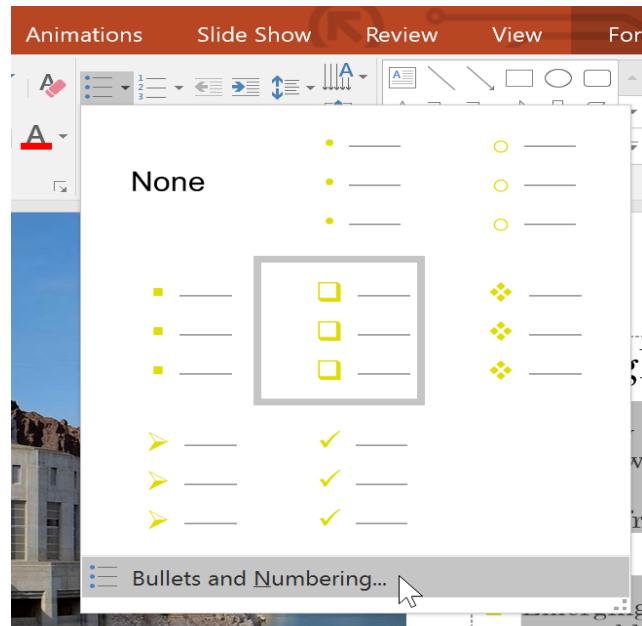
### ➤ To use a symbol as a bullet

- 1- Select an existing bulleted list.
- 2- On the Home tab, click the Bullets drop-down arrow.

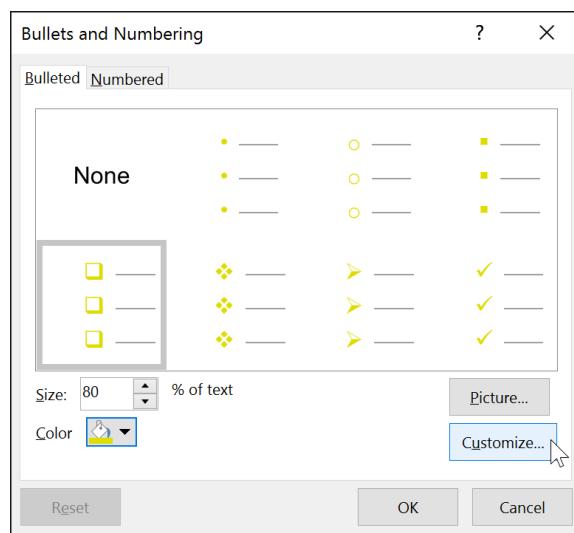


- 3- Select Bullets and Numbering from the menu that appears.

## PowerPoint 2016 Guide (beginner's version)



4 - A dialog box will appear. On the Bulleted tab, click Customize.

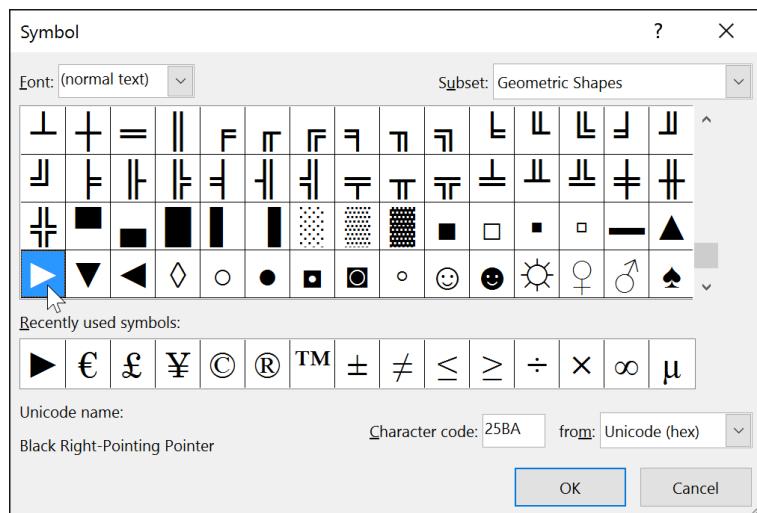


5- The Symbol dialog box will appear.

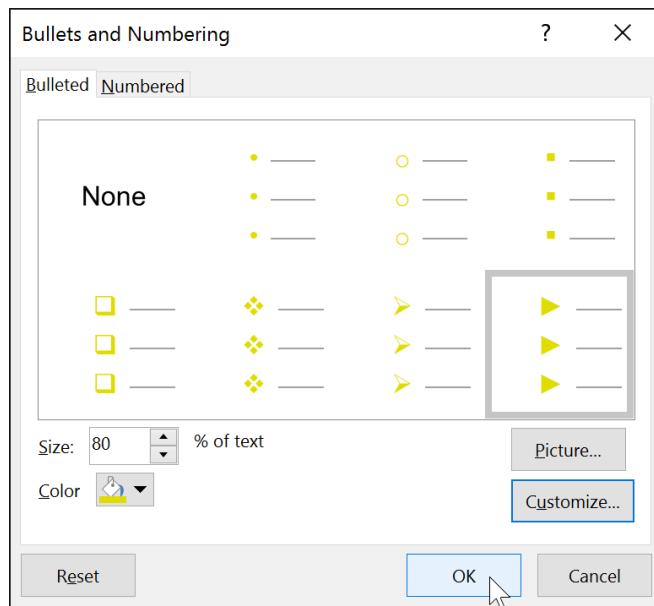
6 - Click the Font drop-down box and select a font. The Wingdings and Symbol fonts are good choices because they have a lot of useful symbols.

7 - Select the desired symbol.

## PowerPoint 2016 Guide (beginner's version)



8- Click OK. The symbol will now appear as the selected bullet option in the Bullets and Numbering dialog box.



9- Click OK again to apply the symbol to the list in the document.

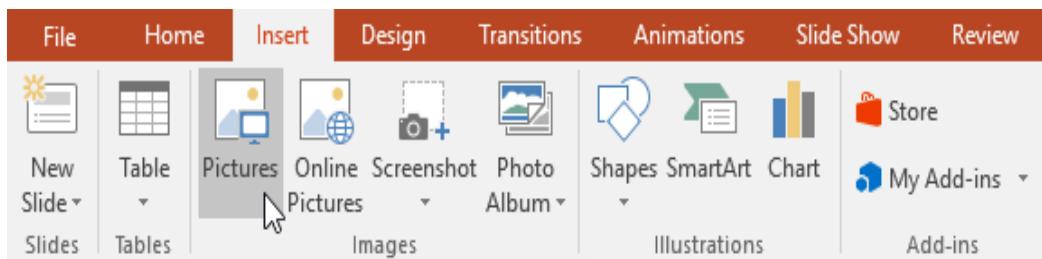
### • Inserting Pictures

Adding pictures can make your presentations more interesting and engaging. You can insert a picture from a file on your computer onto any slide. PowerPoint even includes tools for finding online pictures and adding screenshots to your presentation.

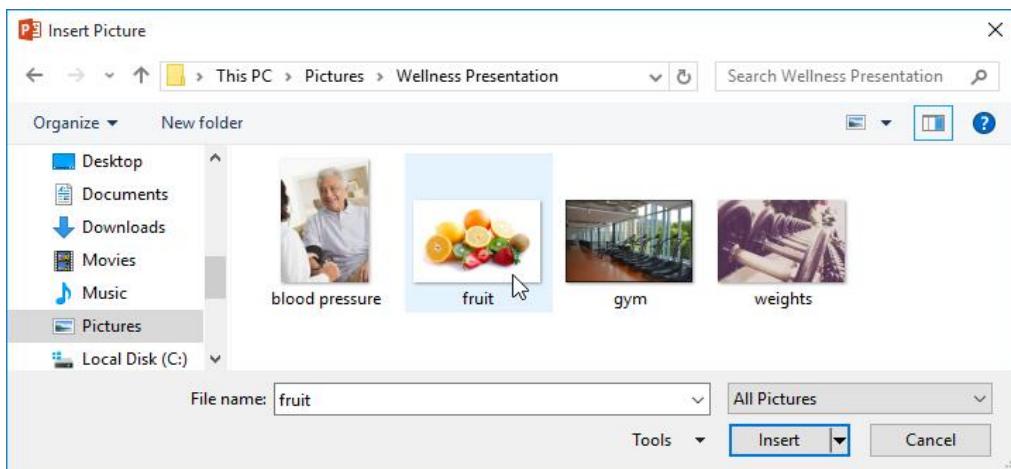
#### ➤ To insert a picture from a file

1- Select the Insert tab, then click the Pictures command in the Images group.

## PowerPoint 2016 Guide (beginner's version)



2- A dialog box will appear. Locate and select the desired image file, then click Insert.

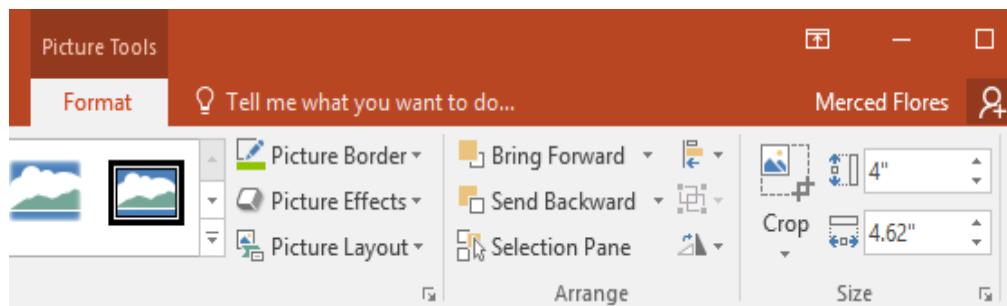


3- The picture will appear on the currently selected slide.

### ➤ To delete a picture:

Select the picture you want to delete, then press the Backspace or Delete key on your keyboard.

You can access even more picture formatting options from the Format tab. We'll talk more about these options in our lesson on Formatting Pictures.



### ➤ Formatting Pictures

There are a variety of ways to format the pictures in your slide show. The picture tools in PowerPoint make it easy to personalize and modify the images in interesting ways. PowerPoint allows you to

## PowerPoint 2016 Guide (beginner's version)

change the picture style and shape, add a border, crop and compress pictures, add artistic effects, and more.

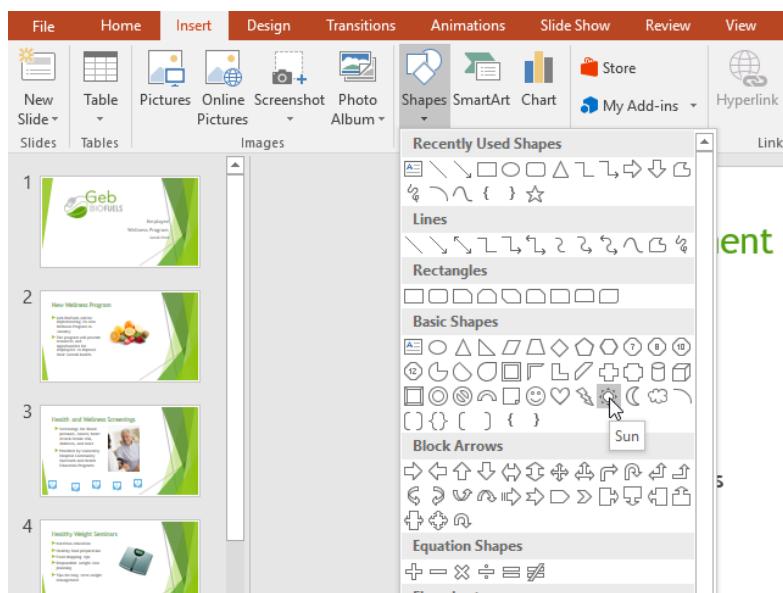
- **Shapes**

Shapes are a great way to make your presentations more interesting. PowerPoint gives you a lot of different shapes to choose from, and they can be customized to suit your needs, using your own color palette, preferences, and more. While you may not need shapes in every presentation you create, they can add visual appeal.

### ➤ To insert a shape

1- Select the Insert tab, then click the Shapes command in the Illustrations group. A drop-down menu of shapes will appear.

2- Select the desired shape.



3- Click and drag in the desired location to add the shape to the slide

### ➤ Formatting shapes and text boxes

PowerPoint allows you to modify shapes and text boxes in a variety of ways so you can tailor them to your projects. You can change shapes and text boxes into different shapes, format their style and color, and add effects.

### ➤ To change the shape style

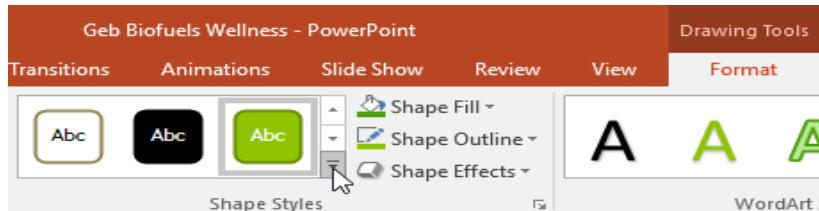
Choosing a shape style allows you to apply preset colors and effects to quickly change the appearance

## PowerPoint 2016 Guide (beginner's version)

of your shape or text box. These options will depend on the colors that are part of your current theme.

1- Select the shape or text box you want to change.

2- On the Format tab, click the More drop-down arrow in the Shape Styles group.



3- A drop-down menu of styles will appear. Select the style you want to use.



4- The shape or text box will appear in the selected style.

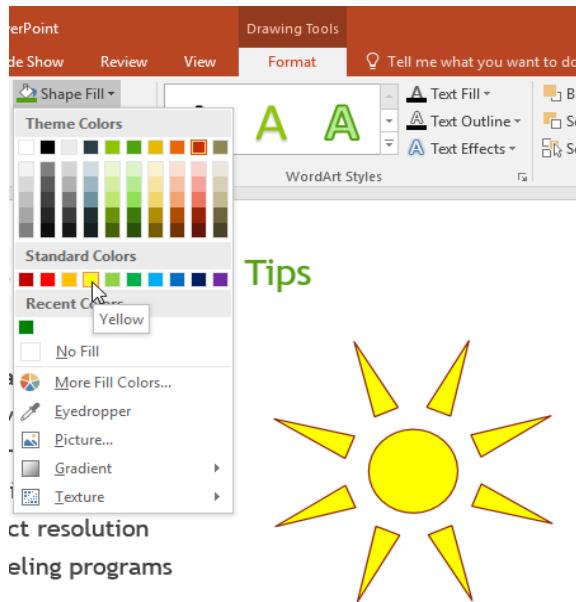
### ➤ To change the shape fill color

1- Select the shape or text box you want to change.

2- On the Format tab, click the Shape Fill drop-down arrow. The Shape Fill menu appears.

3- Move the mouse over the various colors. Select the color you want to use. To view more color options, select More Fill Colors.

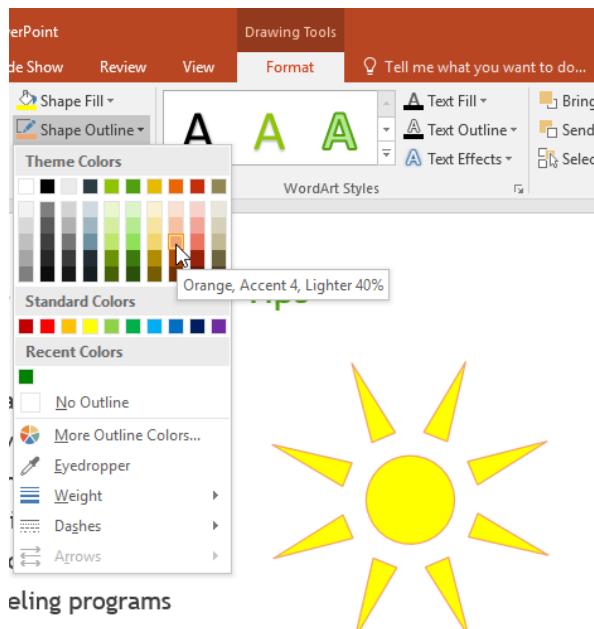
## PowerPoint 2016 Guide (beginner's version)



- 4- The shape or text box will appear in the selected color.

### ➤ To change the shape outline

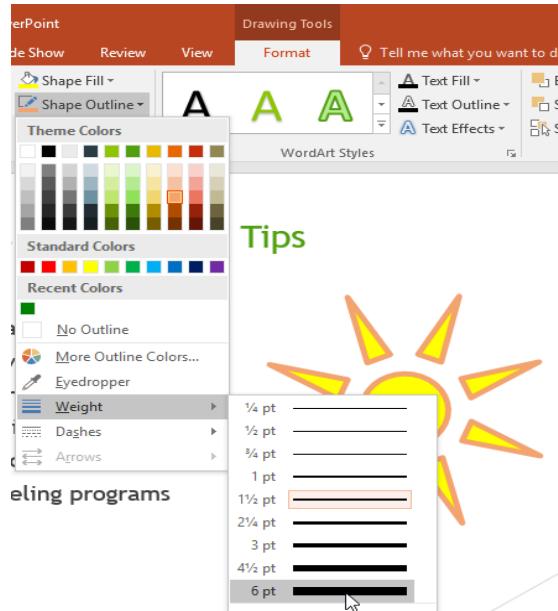
- 1- Select the shape or text box you want to change.
- 2- On the Format tab, click the Shape Outline drop-down arrow. The Shape Outline menu will appear.
- 3- Select the color you want to use. If you want to make the outline transparent, select No Outline.



- 4 - The shape or text box will appear in the selected outline color.

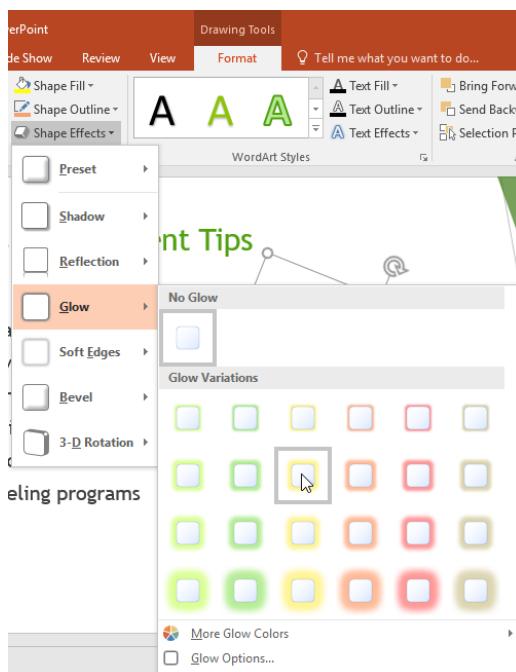
## PowerPoint 2016 Guide (beginner's version)

From the drop-down menu, you can change the outline color, weight (thickness), and whether it is a dashed line



### ➤ To add shape effects

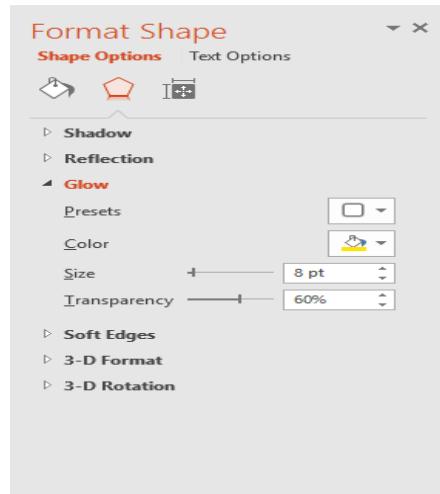
- 1- Select the shape or text box you want to change.
- 2- On the Format tab, click the Shape Effects drop-down arrow. In the menu that appears, hover the mouse over the style of effect you want to add, then select the desired preset effect.



- 3- The shape will appear with the selected effect.

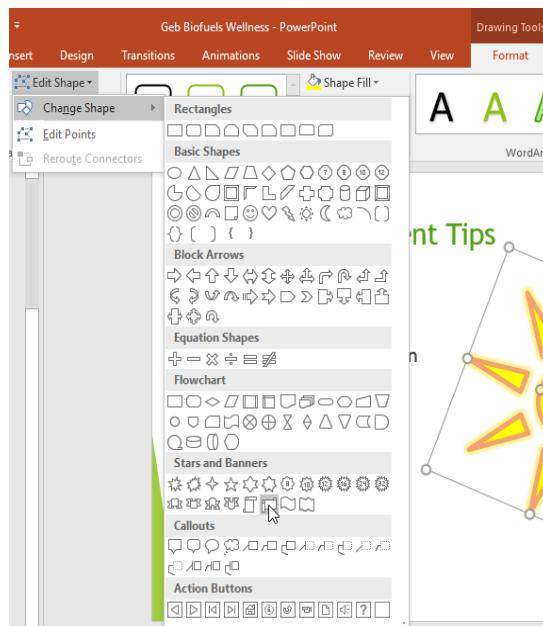
## PowerPoint 2016 Guide (beginner's version)

To further adjust your shape effects, select Options at the end of each menu. The Format Shape pane will appear, allowing you to customize the effects.



### ➤ To change to a different shape:

- 1- Select the shape or text box you want to change. The Format tab will appear.
- 2- On the Format tab, click the Edit Shape command. In the menu that appears, hover the mouse over Change Shape and select the desired shape.



### • Tables

Tables are another tool you can use to display information in PowerPoint. A table is a grid of cells arranged in rows and columns. Tables are useful for various tasks, including presenting text

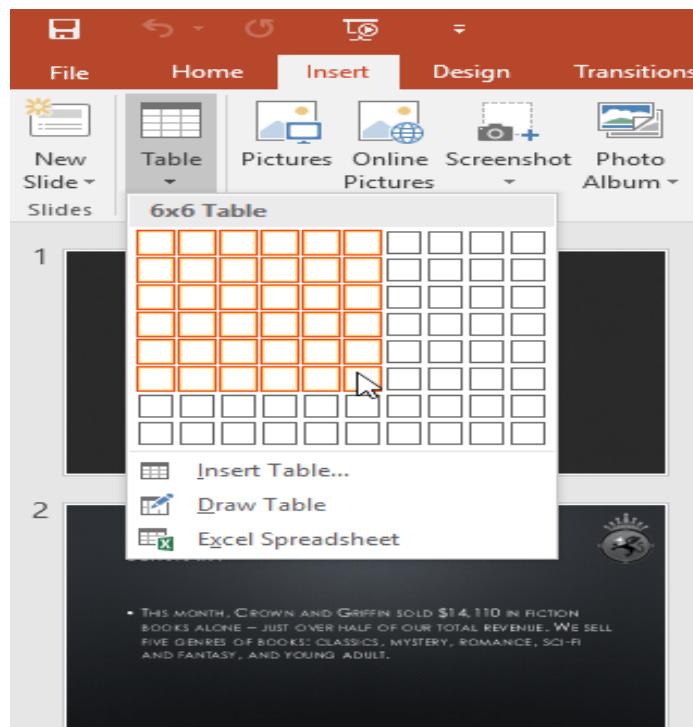
## PowerPoint 2016 Guide (beginner's version)

information and numerical data. You can even customize tables to fit

### ➤ To insert a table

1-From the Insert tab, click the Table command.

2-Hover the mouse over the grid of squares to select the desired number of columns and rows in the table. In our example, we'll insert a table with six rows and six columns (6x6).

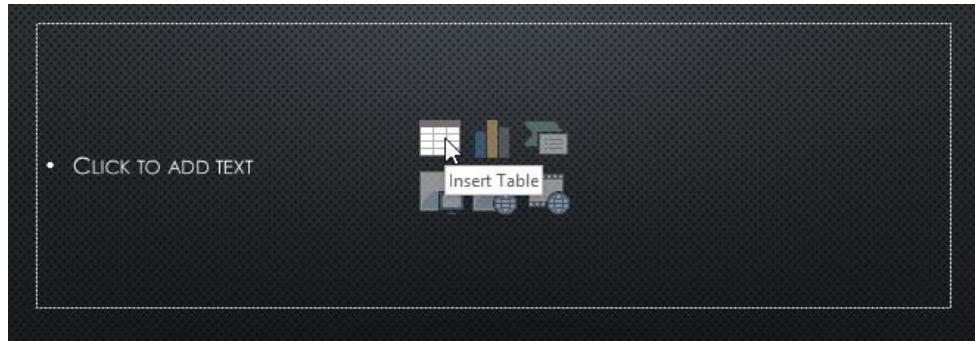


3-The table will appear on the currently selected slide. In our example, that's slide 3.

4- Click anywhere in the table, and begin typing to add text. You can also use the Tab key or the arrow keys on your keyboard to navigate through the table.

You can also insert a table by clicking the Insert Table command in a placeholder.

## PowerPoint 2016 Guide (beginner's version)



### ➤ **Modifying tables**

PowerPoint includes several options for customizing tables, including moving and resizing, as well as adding rows and columns.

#### ➤ **To move a table**

Click and drag the edge of a table to move it to a new location on a slide.

Genre			*	
Classics				
Mystery				
Sci-Fi & Fantasy				
Young Adult				

#### ➤ **To resize a table**

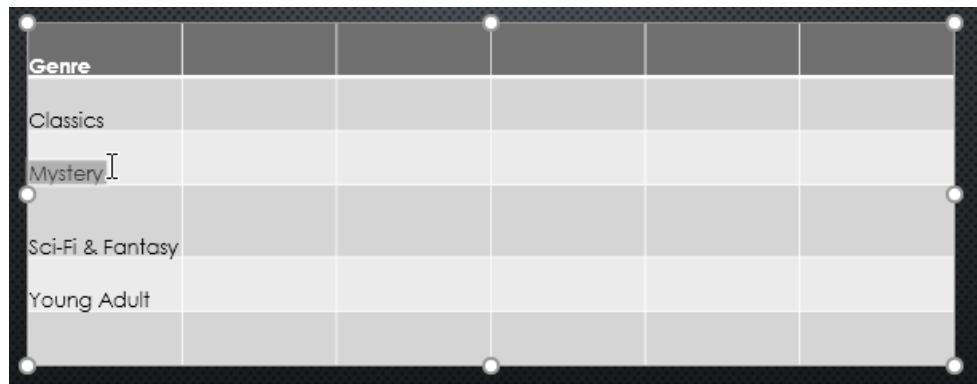
Click and drag the sizing handles until the table is the desired size.

Genre			*	
Classics				
Mystery				
Sci-Fi & Fantasy				
Young Adult				

## PowerPoint 2016 Guide (beginner's version)

### ➤ To add a row or column:

1- Click a cell adjacent to the location where you want to add a row or column. In our example, we'll select the cell that says Mystery.



Genre				
Classics				
Mystery				
Sci-Fi & Fantasy				
Young Adult				

2 -Click the Layout tab on the right side of the Ribbon.

3-Locate the Rows & Columns group. If you want to insert a new row, select either Insert Above or Insert Below. If you want to insert a new column, select either Insert Left or Insert Right.



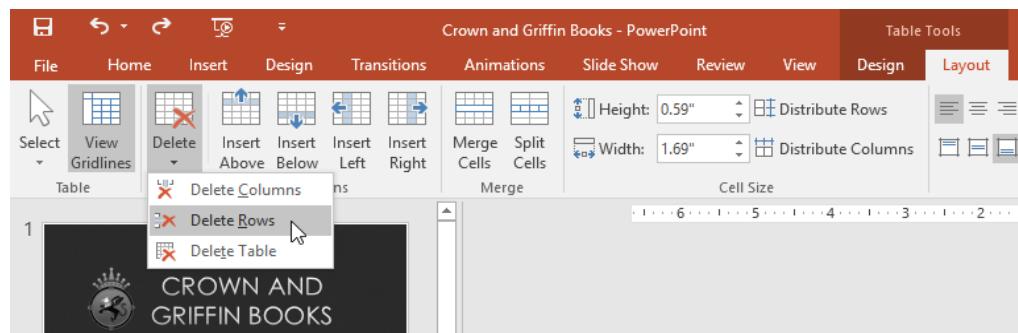
4-The new row or column will appear.

### ➤ To delete a row or column:

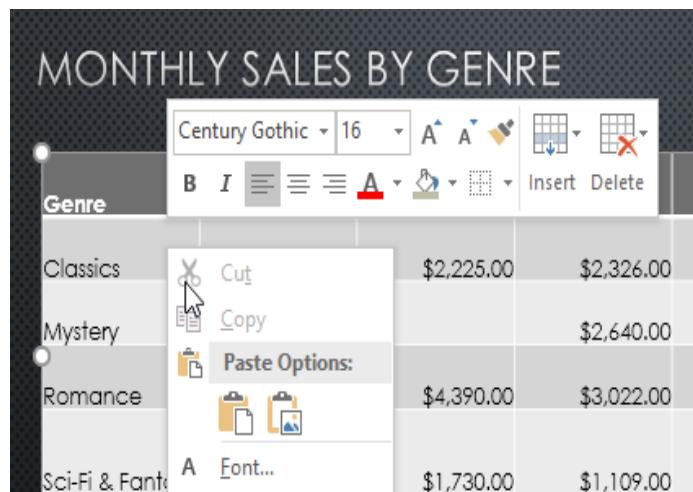
1- Select the desired row or column. In our example, we'll select the empty row at the bottom of the table.

2- From the Layout tab in the Rows & Columns group, click the Delete command, then select Delete Rows or Delete Columns from the menu.

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You can also access the Insert and Delete commands by right-clicking a table.



Genre		
Classics	\$2,225.00	\$2,326.00
Mystery	\$2,640.00	
Romance	\$4,390.00	\$3,022.00
Sci-Fi & Fantasy	\$1,730.00	\$1,109.00

### ➤ To delete a table:

Click the edge of the table you want to delete, then press the Backspace or Delete key on your keyboard.

- **Animating Text and Objects**

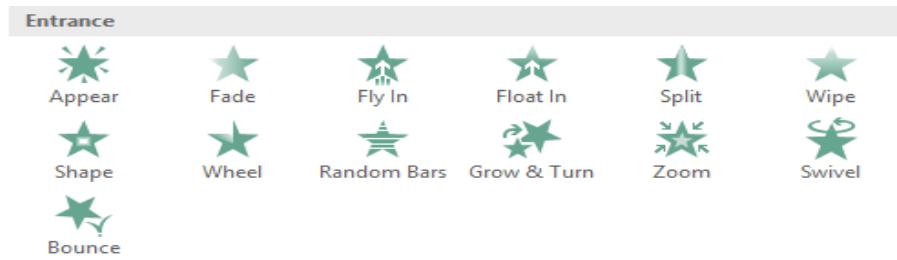
In PowerPoint, you can animate text and objects such as clip art, shapes, and pictures. Animation—or movement on the slide can be used to draw the audience's attention to specific content or to make the slide easier to read.

- **The four types of animations**

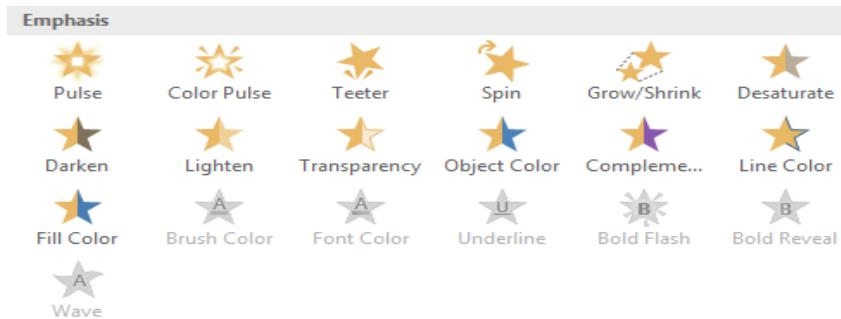
There are several animation effects you can choose from, and they are organized into four types.

**Entrance:** This controls how the object enters the slide. For example, with the Bounce animation, the object will "fall" onto the slide and then bounce several times.

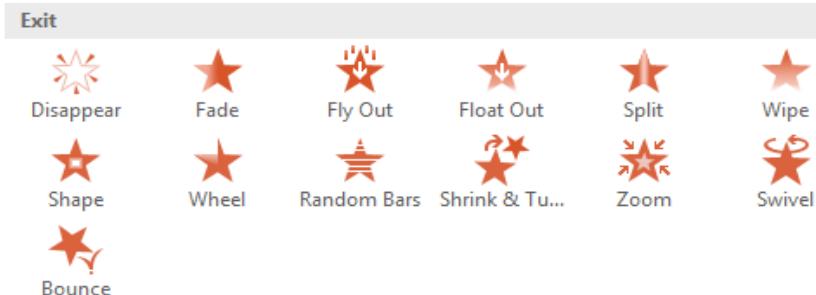
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**Emphasis:** These animations occur while the object is on the slide, often triggered by a mouse click. For example, you can set an object to spin when you click the mouse.



**Exit:** This controls how the object exits the slide. For example, with the Fade animation, the object will simply fade away.



**Motion Paths:** These are similar to Emphasis effects, except the object moves within the slide along a predetermined path, like a circle.



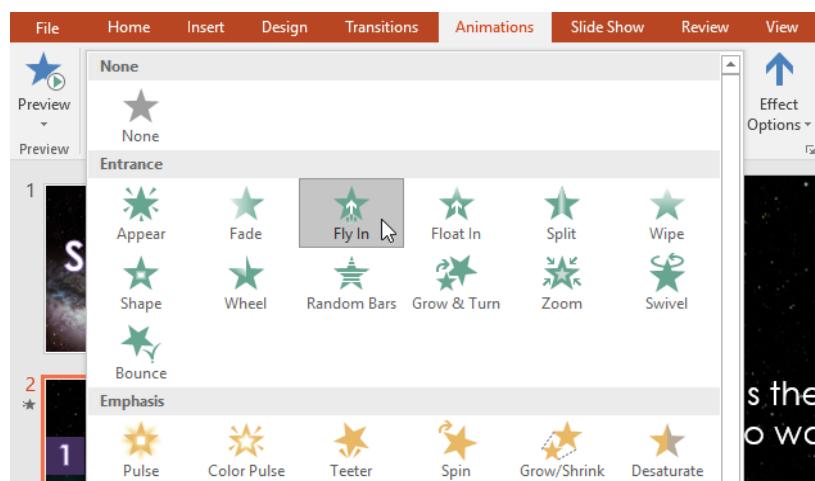
➤ To apply an animation to an object

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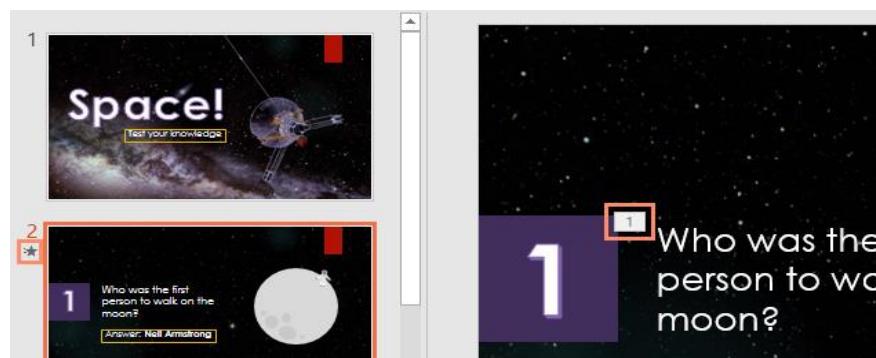
- 1- Select the object you want to animate.
- 2- On the Animations tab, click the More drop-down arrow in the Animation group.



- 3- A drop-down menu of animation effects will appear. Select the desired effect.

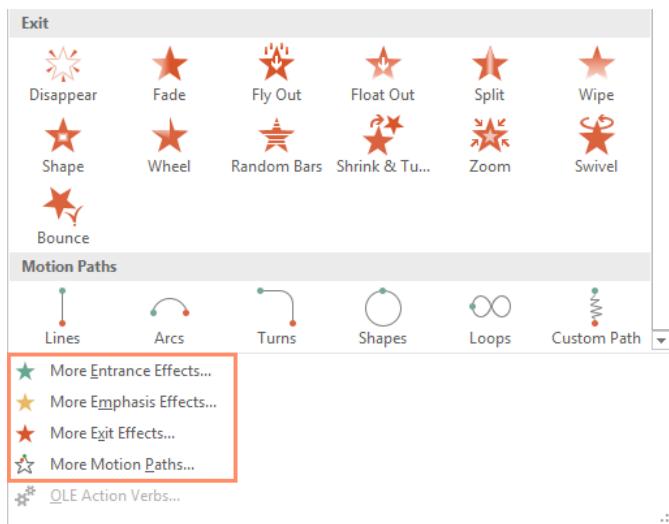


- 4- The effect will apply to the object. The object will have a small number next to it to show that it has an animation. In the Slide pane, a star symbol will also appear next to the slide.



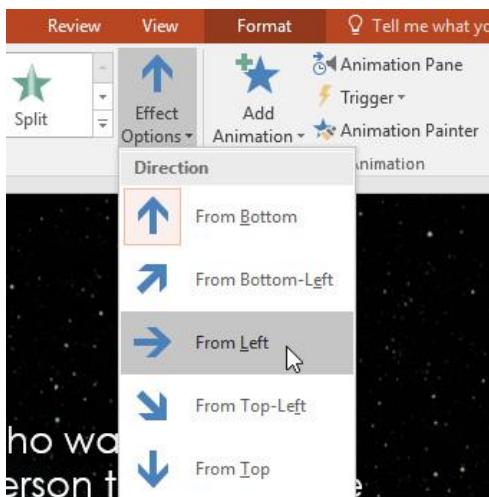
At the bottom of the menu, you can access even more effects.

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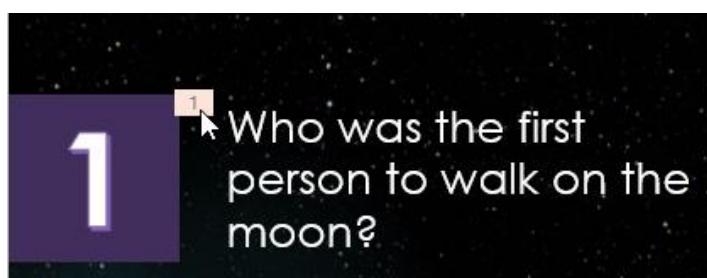
### Effect options

Some effects will have options you can change. For example, with the Fly In effect, you can control which direction the object comes from. These options can be accessed from the Effect Options command in the Animation group.



### To remove an animation

1- Select the small number located next to the animated object.



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2- Press the Delete key. The animation will be deleted.

- **Working with animations**

### To add multiple animations to an object

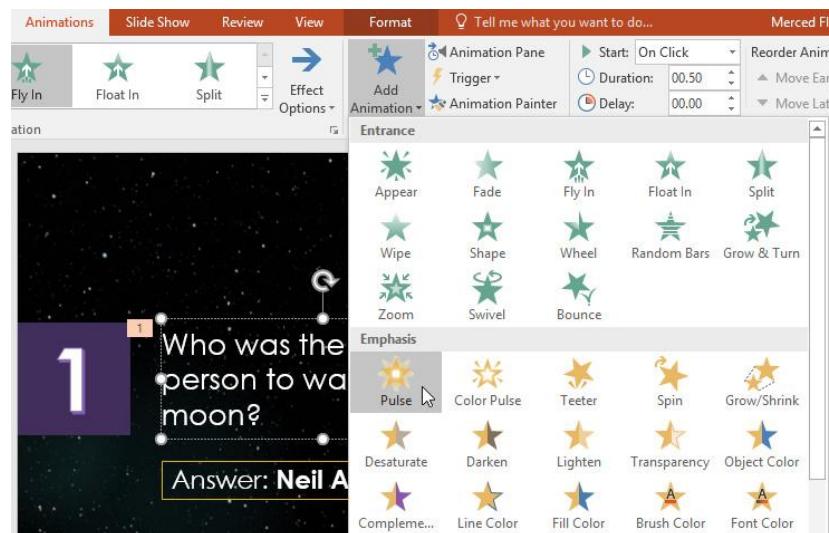
If you select a new animation from the menu in the Animation group, it will replace the object's current animation. However, you'll sometimes want to place more than one animation on an object, like an Entrance and an Exit effect. To do this, you'll need to use the Add Animation command, which will allow you to keep your current animations while adding new ones.

1- Select an object.

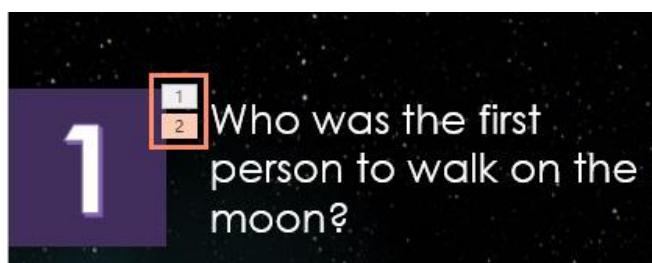
2- Click the Animations tab.

3 In the Advanced Animation group, click the Add Animation command to view the available animations.

4- Select the desired animation effect.



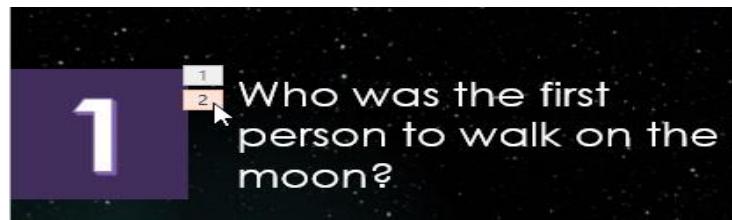
5- If the object has more than one effect, it will have a different number for each effect. The numbers indicate the order in which the effects will occur.



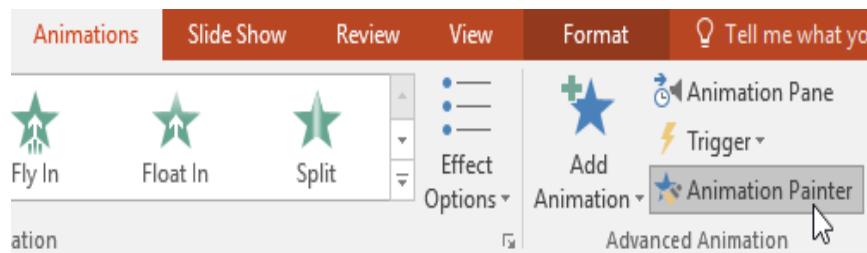
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### To reorder the animations:

- 1 Select the number of the effect you want to change



- 2 From the Animations tab, click the Move Earlier or Move Later commands to change the ordering.



- 3 Click the object you want to copy the effects to. In our example, we'll click the answer text on the next slide. Both objects now have the same effect.



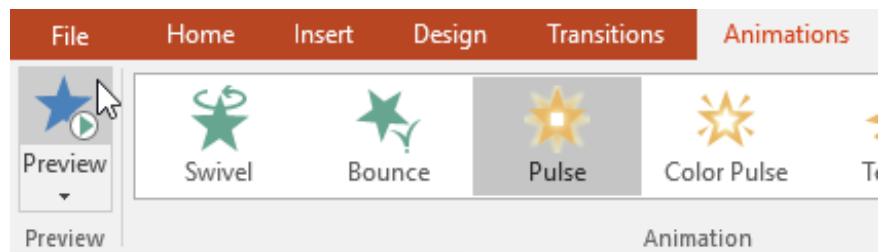
### To preview animations

Any animation affects you have applied will show up when you play the slide show. However, you can also quickly preview the animations for the current slide without viewing the slide show.

- 1- Navigate to the slide you want to preview.

- 2- From the Animations tab, click the Preview command. The animations for the current slide will play.

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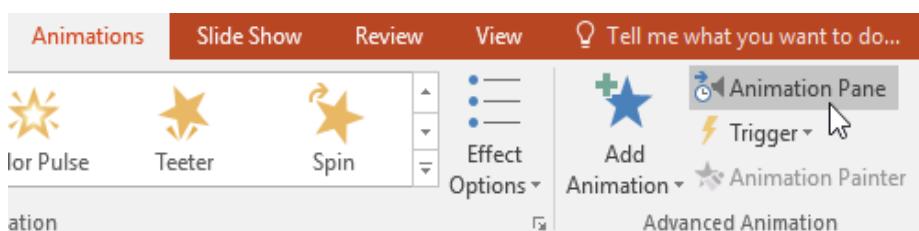


### The Animation Pane

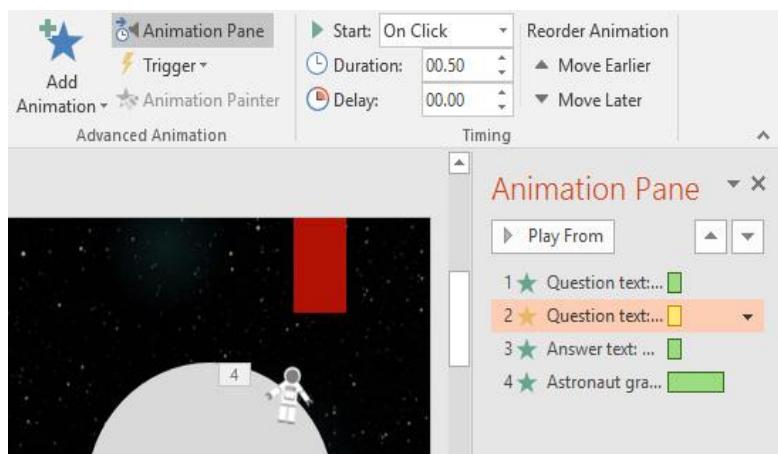
The Animation Pane allows you to view and manage all of the effects that are on the current slide. You can modify and reorder effects directly from the Animation Pane, which is especially useful when you have several effects.

### To open the Animation Pane

1- / From the Animations tab, click the Animation Pane command.

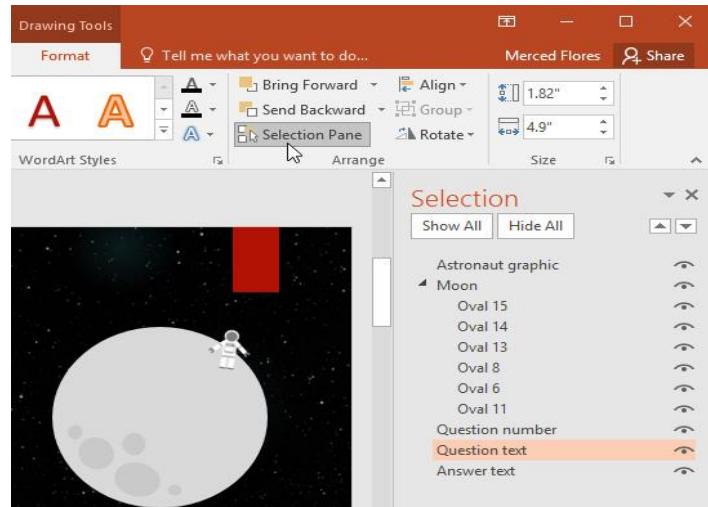


2 - The Animation Pane will open on the right side of the window. It will show all of the effects for the current slide in the order in which they will appear.



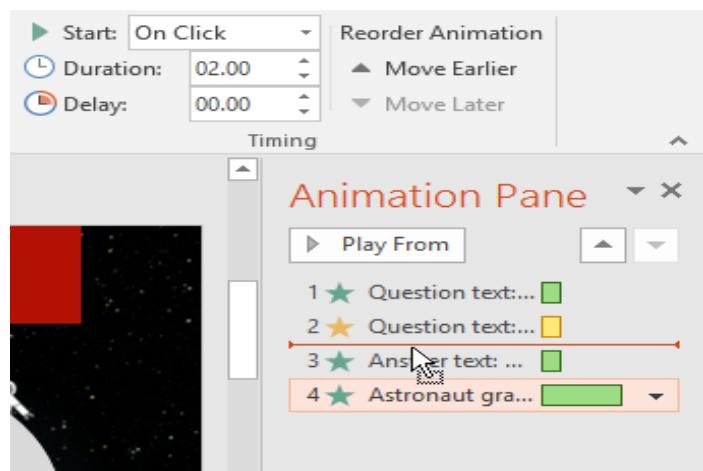
If you have several animated objects, it may help to rename the objects before reordering them in the Animation Pane. You can rename them in the Selection Pane. To open the Selection Pane, click an object, then from the Format tab, click Selection Pane. Double-click the name of an object to rename it.

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### To reorder effects from the Animation Pane

1- On the Animation Pane, click and drag an effect up or down.

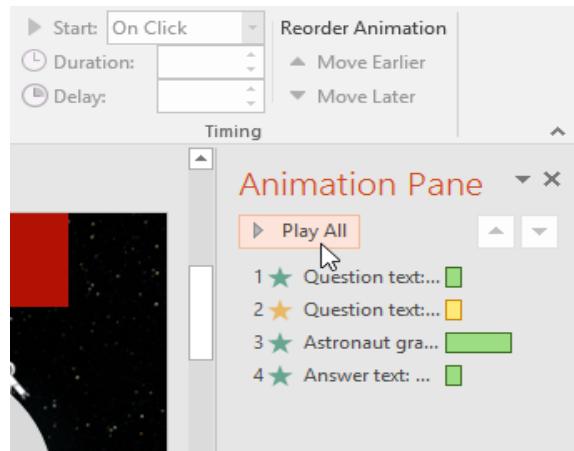


2- The effects will reorder themselves.

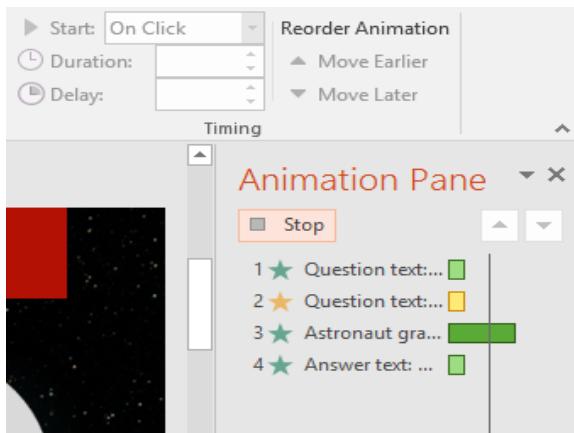
### To preview effects from the Animation Pane

1- From the Animation Pane, click the Play button.

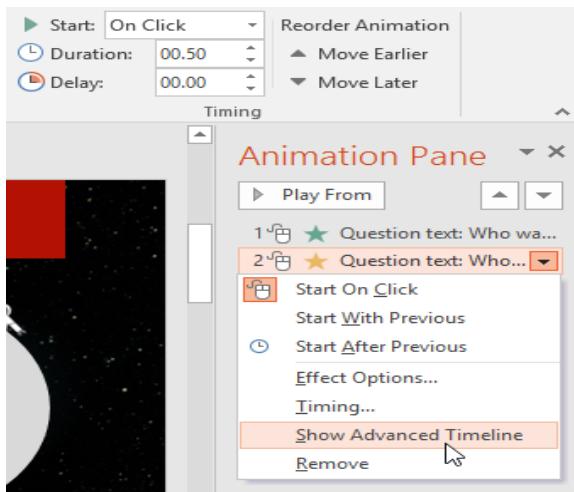
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2 - The effects for the current slide will play. On the right side of the Animation Pane, you will be able to see a timeline that shows the progress through each effect.



If the timeline is not visible, click the drop-down arrow for an effect, then select Show Advanced Timeline.

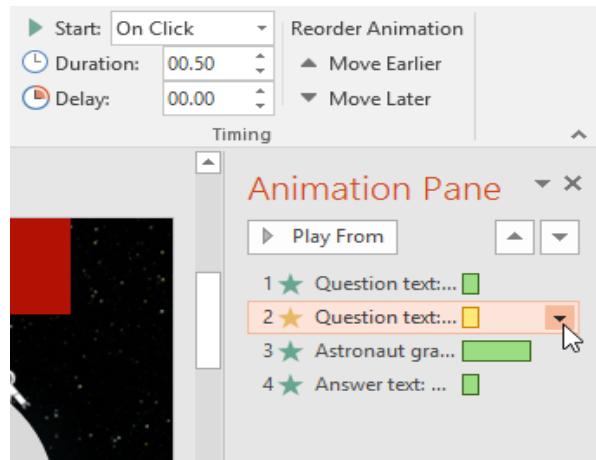


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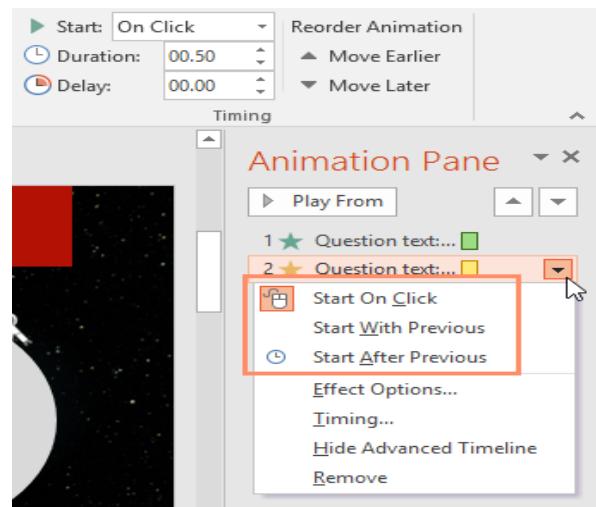
### To change an effect's start option

By default, an effect starts playing when you click the mouse during a slide show. If you have multiple effects, you will need to click multiple times to start each effect individually. However, by changing the start option for each effect, you can have effects that automatically play at the same time or one after the other.

1- From the Animation Pane, select an effect. A drop-down arrow will appear next to the effect.



2 - Click the drop-down arrow and select one of the three desired start options. Start on Click will start the effect when the mouse is clicked, Start with Previous will start the effect at the same time as the previous effect, and Start After Previous will start the effect when the previous effect ends.



When you preview the animations, all of the effects will play through automatically. To test effects that are set to Start on Click, you will need to play the slide show.

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### 1. Presentation Control and Navigation

hortcut	Function
F5	Start slideshow from the first slide
Shift + F5	Start slideshow from the current slide
Esc	End the slideshow
Page Down / → / Spacebar / Click	Go to the next slide
Page Up / ← / Backspace	Go to the previous slide

### 2. Slide Navigation and Editing

Shortcut	Function
Ctrl + M	Insert a new slide
Ctrl + D	Duplicate the selected slide
Delete	Delete the selected slide or element
Ctrl + X	Cut the selected item
Ctrl + C	Copy the selected item
Ctrl + V	Paste the item
Ctrl + Z	Undo the last action
Ctrl + Y	Redo the last undone action

### 3. Text Formatting

Shortcut	Function
Ctrl + B	Bold (toggle on/off)
Ctrl + I	Italic (toggle on/off)
Ctrl + U	Underline (toggle on/off)
Ctrl + E	Center align text
Ctrl + L	Align text to the left
Ctrl + R	Align text to the right
Ctrl + T	Open the Font dialog box

### 4. Working with Objects

Shortcut	Function
Ctrl + Shift + C	Copy formatting
Ctrl + Shift + V	Paste formatting
Ctrl + G	Group selected items
Ctrl + Shift + G	Ungroup selected items

### 5. In-Slide show Navigation and Tools

Shortcut	Function
Ctrl + P	Use the pen during slideshow
Ctrl + A	Show mouse pointer (in slideshow)
Ctrl + H	Hide pointer (in slideshow)
B	Black out the screen
W	White out the screen

## PowerPoint 2016 Guide (beginner's version)

### 6. Other Important Tools

hortcut	Function
Ctrl + K	Insert hyperlink
Alt + N	Open the Insert tab
Alt + S	Open the Slide Show tab
Alt + W	Open the View tab

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