

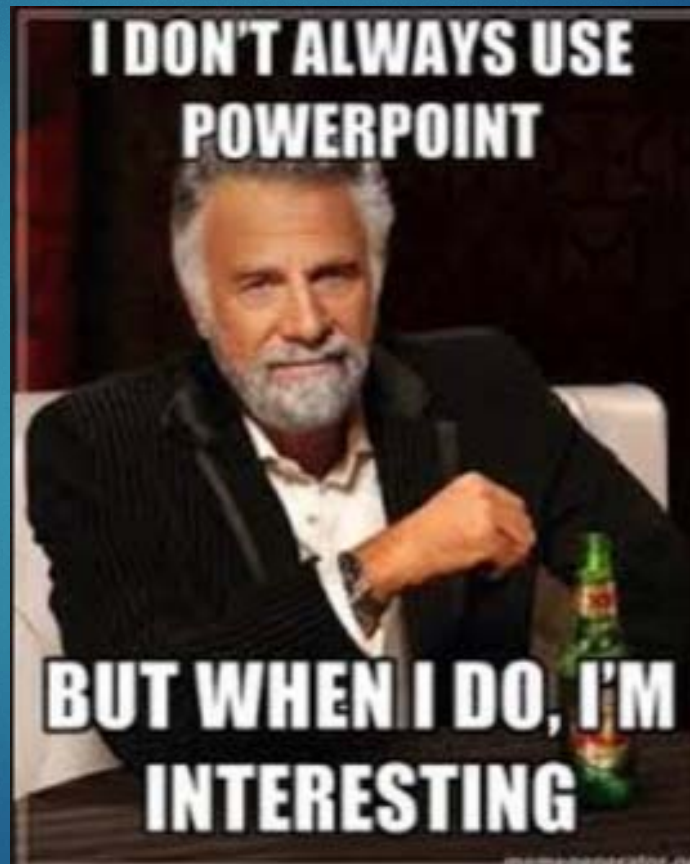
# PowerPoint to Support CTE Instruction

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# PowerPoint



# PowerPoint



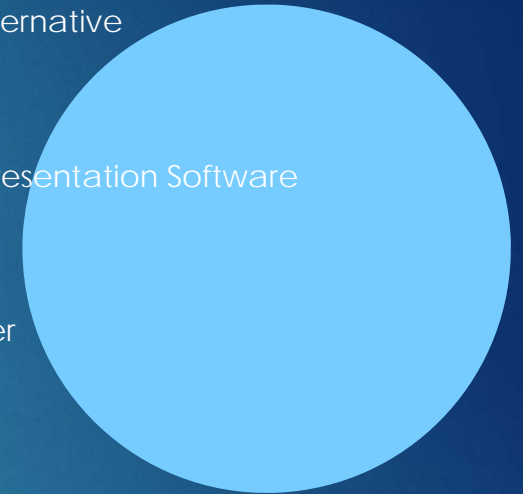
Back to this? Absolutely Not!



# Alternatives to PowerPoint

Google Slides  
CustomShow  
ClearSlide (SlideRocket)  
Prezi (Personal)  
Slideshark  
Haiku Deck  
SlideDog  
Slide Bureau  
Powtoon – Animation Presentation Software  
Keynote – Powerpoint Alternative  
MediaShout  
Kineticast  
KnowledgeVision  
GoAnimate – Video Presentation Software  
Slides  
Slide Bean

Wink – Powerpoint Alternative  
SnagIt  
Camtasia  
Camstudio – Video Presentation Software  
Slidesnack  
Articulate Presenter  
Windows Movie Maker  
Prezi For Business  
Slideshare  
VisualBee  
Projeqt  
Emaze  
Preseria  
Reallusion  
Focusky



# Conclusions:

- 1) The other options are similar to PP, so why change to a new program?
- 2) Normally the other programs cost more than PP
- 3) The other programs have a unique file formats and you are less able to share with others.
- 4) Less program add-ons are available
- 5) People like to stick with what they know
- 6) They often do not live up to expectations (grass is always greener on the other side of the fence – syndrome)
- 7) There is a learning curve with new programs that may not pay off in increased performance.

So.....

▶ Do better with PowerPoint Platform

# PowerPoints Should Not:

- 1: Have Too Much Text
- 2: Bad Contrast in Colors or Bad Color Scheme
- 3: Presenter Constantly Stares and Reads from the Screen
- 4: Presenter Stands in Front of the Screen
- 5: Animating Stuff Just Because You Can
- 6: Toggling in and out of PowerPoint
- 7: Using Clipart (and Not Enough Useful Images and Graphics) or pixelated clipart
- 8: Freaking Out When Something Doesn't Work
- 9: Using Weird Fonts
- 10: Putting Important Stuff by the Edges (difficult to read vertical writing)

► Source: <http://thevisualcommunicationguy.com/2013/09/24/top-12-most-annoying-powerpoint-presentation-mistakes/>



# PowerPoints should:

1. Use an interest approach
2. Be Interactive
3. Designed to Inform and inject critical thinking
4. Incorporate multiple learning styles
5. Allow for practice
6. Make a connection between the individual and the content
7. Aid in formative assessment
8. Make content realistic
9. Allow for Q & A and activities outside of the visual presentation
10. Avoid paragraphs of information.



# 1. Interest Approaches

- ▶ Using Sound:

Example: <https://www.soundsnap.com/>

- ▶ Partial Pictures – what is it?

Example: (Only select a section of the picture to display)

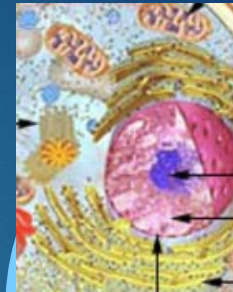
- ▶ Highlight the Problem for the day (bell work, activity before class starts)

Example: What is the better loan situation? 20 Years at 4.3% or 15 years at 6.0%?

- ▶ Short clip that highlights the importance of the topic at hand.

Example: Chemical Safety

Youtube Sources



# 1. Interest Approaches Continued

Highlight Mistakes that happen when the topic for the day is ignored: Example: Taking customer orders and double checking for accuracy.



Provide a short clip on occupations that require the skill or knowledge presented (there are 100's of short clips on what Bakers do online in a wide variety of bakeries)



# 1. Interest Approaches: continued

- ▶ **Supply a Real Job Posting: (have students locate the job location using Google Earth)**
- ▶ **Job Posting Sources: ZipRecruiter, Indeed, Monster, Craigslist, CareerBuilder, Snagajob, USA Jobs, etc.**

## **Executive Pastry Chef - Corporate**

Dante's Restaurants, Inc. - State College, PA 16801

### **Responsibilities include, but are not limited to:**

Maintains a Guest focus while performing duties

Assumes 100% responsibility for quality of products prepared.

Prepares and decorates a variety of desserts, dressings, sauces and in our commercial bakery

Graciously and quickly fulfill any guest and/or restaurant requests possible.

Complete opening and closing checklists.

Prepare and follow a Daily Prep List at the start of each shift.

Maintains inventory and orders to eliminate product shortages.

Knows and complies consistently with our standard recipes quality standards and kitchen rules.

Maintains a clean and sanitary work area including tables, shelves, floors, walls, containers and equipment.

Follows proper presentation and garnish standards for all baked goods.

Handles, stores, labels, and rotates all products properly and in accordance to applicable state laws.

Closes the bakery properly and follows a cleaning and closing checklist

Attends all scheduled meetings and brings suggestions for improvement.

Performs other related duties as assigned by the company.

Communicates clearly with co-workers, supervisors and management.

## 2. Be Interactive

- ▶ Plan and develop interaction into the PowerPoint.
- ▶ Provide a viewer / reader / exercise guide aimed directly at the objectives for the lesson
- ▶ Stop a video / PowerPoint mid-stream to ask questions and quiz students on content.
- ▶ Ask students questions that require them to identify similar experiences or situations they have experienced directly related to the new material.
- ▶ Incorporate learned skills and knowledge from past classes into the new material.
- ▶ Insert a Poll Everywhere Survey

## Which food item has more calories?

Bagel

Glazed Donut

3 slices of

bacon

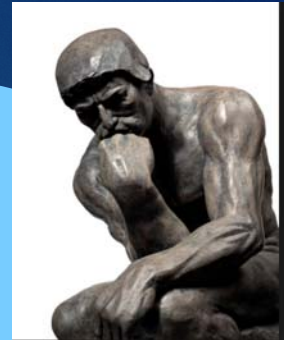
**Start the presentation to activate live content**

If you see this message in presentation mode, install the add-in or get help at [PollEv.com/app](https://PollEv.com/app)

0%

### 3. Design to Inform and Inject Critical Thinking

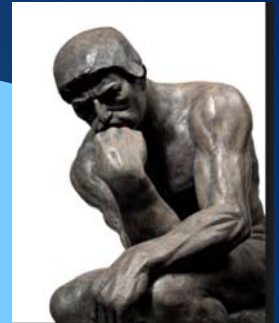
1. Inform and inject Critical Thinking
2. Begin with a question
3. Brainstorm before narrowing down the better options/ answers
4. Do not always jump in to help the students
5. Classify and categorize
6. Compare and contrast
7. Make connections
8. Incorporate the problem solving process (IDEAL) Identify, Define, Explore, Action, Look Back
9. Identify misconceptions
10. Role Play
11. Workout the problems in groups with cooperative group skills



### 3. Inject Critical Thinking: continued....

Ask questions about the topic/ issue

- A. Based on the material, how would you ....?
- B. Now that you know \_\_\_\_\_, how do you solve \_\_\_\_\_?
- C. How does Sue's comment relate to\_\_\_\_\_?
- D. What can you add to John's perspective?
- E. What additional information would help in formulating a solution?
- F. Ask, why did this happen?
- G. Ask questions that have more than one plausible answer
- H. Explain how.....
- I. Request a summary at stages within the PowerPoint





# 4. Incorporate Multiple Intelligences in the PowerPoint

Intelligence	PowerPoint Application
<b>Mathematical-Logical Intelligence -- ability to think conceptually and abstractly, and capacity to discern logical or numerical patterns</b>	Problems inserted in the PowerPoint and practice time, playing games, searching for patterns, making up analogies
<b>Verbal-Linguistic Intelligence -- well-developed verbal skills and sensitivity to the sounds, meanings and rhythms of words</b>	Incorporate cooperative group work into the PowerPoint – allow students to talk about what they have been learning, by participating in discussions and debates
<b>Musical Intelligence -- ability to produce and appreciate rhythm, pitch and timber</b>	Sound clips, speeches, music
<b>Visual-Spatial Intelligence -- capacity to think in images and pictures, to visualize accurately and abstractly</b>	Rotation of objects in 3-D drawing, multiple photo positions, photos
<b>Bodily-Kinesthetic Intelligence -- ability to control one's body movements and to handle objects skillfully</b>	Demonstrations of multiple ways of completing a project, building, assembling, using clips and having students participate

# 4. Incorporate Multiple Intelligences in the PowerPoint: Continued

Intelligence	PowerPoint Application
<b>Interpersonal Intelligence -- capacity to detect and respond appropriately to the moods, motivations and desires of others</b>	Work in cooperative groups, clips of others in case studies, -customers, patients, clients
<b>Intrapersonal Intelligence -- capacity to be self-aware and in tune with inner feelings, values, beliefs and thinking processes</b>	Reflection papers, career planning, interest surveys, connecting job posting to personal skill and characteristics, online personality tests, and assessments
<b>Naturalist Intelligence -- ability to recognize and categorize plants, animals and other objects in nature</b>	Learning about the natural environment, examining environmental impacts on decisions – through video clips
<b>Existential Intelligence -- sensitivity and capacity to tackle deep questions about human existence, such as the meaning of life, why do we die, and how did we get here</b>	Critical thinking questioning incorporated into the PowerPoint.

# 5. Practice: Games

► Types of Games to encourage practice:

- A. Screen Quizzes with images, 4, 6 and 8 option answers.
- B. Quick- Match Images
- C. Jeopardy
- D. Who Wants to be a Millionaire

Others:

Family Feud

Wheel of Fortune?

Password Pyramid

Are You Smarter Than a 5th Grader?



## 5. Practice: Games

A. Screen Quizzes with images, 4, 6 and 8 option answers.

▶ [Screen Quizzes](#)



## 5. Practice: Games

### B. Quick-Match

▶ Quick Match Example



## 5. Practice: Games

### C. Jeopardy

#### ▶ Jeopardy - Dental Assisting



## 5. Practice: Games

### D. Who Wants to be a Millionaire

- ▶ Who Wants to be a Millionaire - Dental Assisting

## 5. Practice: Games

Family Feud

Wheel of Fortune

Password Pyramid

Are You Smarter Than a 5th Grader?





<http://people.uncw.edu/ertzbergerj/msgames.htm>

# uncw.edu/EdGames

Use games to enhance your classroom teaching!

<http://people.uncw.edu/ertzbergerj/msgames.htm>

Great set of instructions on how to use and game options.

[Sports, Games & Resources](#)

[Holiday Based Games & Resources](#)

[Bingo Card Generators](#)

[Whole Class Review Games](#)

[Customizable Board Games](#)

[TV Game Shows](#)

[Drill & Practice for Individual Student Games](#)

[Scrambled Word Games](#)

[PowerPoint Timers](#)

► Miningquiz

### Game Templates

Games in this group are ready to use and awaiting your questions and answers or other content.

**Need Questions and Answers? Maybe we can help. [Visit Here!](#)**

Icon	Game Title	Size	No. of Slides	Link	Rating
	Quiz Show Pro <a href="#">(see video)</a> <b>New!</b>	-	Varies	<a href="#">Fetch</a> 	★★★★★
	Answer Champ <a href="#">(see video)</a> <b>New!</b>	-	Varies	<a href="#">Fetch</a> 	★★★★★
	Toss 'n Teach <a href="#">(see video)</a> <b>New!</b>	-	Varies	<a href="#">Fetch</a> 	★★★★★
	PowerPoint Presentation Tool Box <a href="#">(see video)</a>	-	Varies	<a href="#">Fetch</a> 	★★★★★
	10-Pack Ultimate TV Quiz Show <a href="#">(see video)</a>	Games Included	Varies	<a href="#">Fetch</a> 	★★★★★
	8-Pack PowerPoint Quiz Show Games <a href="#">(see video)</a>	Games Included	Varies	<a href="#">Fetch</a> 	★★★★★
	6-Pack Icebreaker/Team Builder	Games Included	Varies	<a href="#">Fetch</a> 	★★★★★
	6-Pack PPT Quiz Show Games Vol. 1 <a href="#">(see video)</a>	Games Included	Varies	<a href="#">Fetch</a> 	★★★★★
	6-Pack PPT Quiz Show Games Vol. 3 <a href="#">(see video)</a>	Games Included	Varies	<a href="#">Fetch</a> 	★★★★★
	4-Pack PowerPoint Sports Games <a href="#">(see video)</a>	Games Included	Varies	<a href="#">Fetch</a> 	★★★★★
	Prize Wheels and More	-	Varies	<a href="#">Fetch</a> 	★★★★★
	Align the Stars (Connect 4)	2.4 Mb	4	<a href="#">Download</a>	★★★★★
	Are You Smarter Than a 5 <sup>th</sup> Grader?	4.5 Mb	26	<a href="#">Download</a>	★★★★★
	Beach Rally Car Race	3.2 Mb	4	<a href="#">Download</a>	★★★★★
	Big Board Facts (Jeopardy)	3.0 Mb	36	<a href="#">Download</a>	★★★★★
	Hollywood Squares	826 Kb	24	<a href="#">Download</a>	★★★★★
	Hollywood Squares	307 Kb	23	<a href="#">Download</a>	★★★★★
	Hollywood Squares	668 Kb	24	<a href="#">Download</a>	★★★★★
	Horse Race Central	3.1 Mb	4	<a href="#">Download</a>	★★★★★
	Jeopardy	583 Kb	132	<a href="#">Download</a>	★★★★★

# How to select games to increase learning

- ▶ Practice:
  - ▶ [Multiplying Fractions](#)
  - ▶ [Math Word Problems](#)
- ▶ Simulations:
  - ▶ [Dental Surgery](#)
  - ▶ [Breakfast Server](#)
- ▶ Tutorial:
  - ▶ [IEEE](#)
  - ▶ [Drill Press](#)
- ▶ Instructional Games
  - ▶ [TV Game Shows](#)
  - ▶ [Customizable Board Games](#)
- ▶ Team Based:
  - ▶ Game Based



# GIFs

## The Meaning of GIF

GIF means "Graphics Interchange  
Format - Picture Format"

- ▶ <http://big.assets.huffingtonpost.com/Very-soft.gif>
- ▶ <http://giphy.com/>
- ▶ How and why to use them.....



## 6. Make a connection between the individual and the content

- ▶ “It is necessary to connect a new piece of information to an old piece of information or it just won’t stick”  
(Willis, J. n.d.)

## 6. Make a connection between the individual and the content: continued

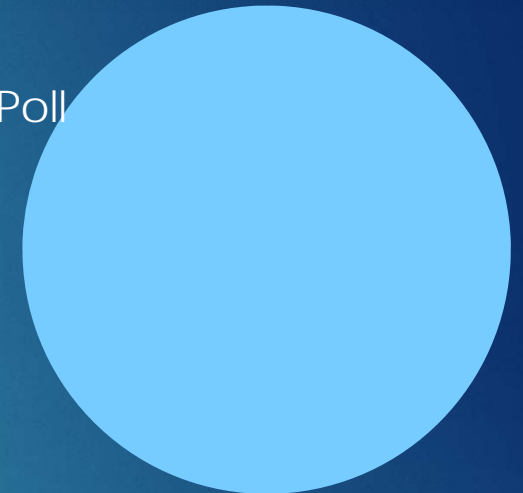
- ▶ What is the primary goal or objective of your students?
- ▶ What are your student's educational backgrounds and/or learning abilities?
- ▶ What is your audiences' learning preferences?
- ▶ What are your audiences' technical requirements (or limitations)?
- ▶ What information and skill-sets will the learner need to acquire to be successful in the field?
- ▶ What is their present biological – emotional state?

## 6. Make a connection between the individual and the content:

- ▶ Use Suspense and keep it fresh
- ▶ Make it student centered
- ▶ Connect it to their lives
  - ▶ Outline related career pathways in diagrams and graphics
- ▶ Interview your students and incorporate their interests in the PowerPoint
  - ▶ (often a student's parent can be skyped into the classroom for an interview in a related occupation)
- ▶ Encourage classroom discussions that allow students to be the center of attention
- ▶ Give assignments that allow students to share their experience and interests

# 7. Aid in Formative Assessment

- ▶ Short quizzes – individual or group (paper-pencil, hands, Poll Everywhere)
- ▶ In class small projects
- ▶ Demonstrations
- ▶ Simulation






# Using a Timer in a Formative Assessment

- ▶ [Online Stop Watch](#)

Home	Countdown Timer	Large Stopwatch	Split Lap Timer	Egg Timer
Bomb Countdown	Clock Countdown	Chess Clock	Chess Timer	Online Clock
Online Alarm Clock	Online Digital Clock	Cash Clock	Interval Timer	Metronome
Stay On Top App	Custom Countdown	Classroom Timers	Talking Clock	Clocks
Dates		Download	Timer	Gadgets

# Summary



- ▶ Characteristics of an ideal PowerPoint
  - ▶ How to increase interest in the PowerPoint
  - ▶ Infuse Critical Thinking
  - ▶ Address Learning Styles
  - ▶ Practice – through Games
  - ▶ Make connections to students
  - ▶ Assistant with Formative Assessment
- 

Question?

