Creating Accessible and Engaging Activities Using Advanced Features in PowerPoint

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If you have not already done so and want to follow along with us in a little while as we show you how to use some of the advanced features, please go to http://web.utk.edu/~mbc/PowerPoint and download PowerPoint Practice Template.

After we show you some examples, we will show you how to create your own PowerPoint Activities.
Purpose & Objectives

- During this session, participants will witness the usefulness of Microsoft PowerPoint software in creating accommodating, engaging, and interactive multimedia activities for students of all ages and ability levels. The presenters will very briefly discuss research on the effectiveness of PowerPoint software for students with disabilities and demonstrate numerous types of PowerPoint activities which address a wide range of skills. There will be an emphasis on interactive accessible text materials for students with physical or learning disabilities, but the presentation also will include ideas for creating activities to address other student needs (e.g., social skills for students with autism spectrum disorders). Presenters will provide a link to a PowerPoint template and instructional handout that can be downloaded. Then, they will guide participants through the steps of using some of the advanced features of PowerPoint to create interactive activities.

- 1. Participants will see a demonstration of several types of PowerPoint activities that can be used to support students with disabilities

- 2. Participants will learn how to use several of the advanced features of PowerPoint software to create interactive adapted books

- 3. Participants will learn how to use several of the advanced features of PowerPoint to create engaging activities for teaching cause/effect, math, science, functional and social skills
PowerPoint Research

- PowerPoint has been demonstrated to be effective for:
  - **Increasing responses to preferred items** by individuals with profound intellectual disabilities (Holburn, Nguyen, & Vietze, 2004)
  - **Increasing social communication** for students with autism through PowerPoint presented Social Stories (Sansoti & Powell-Smith, 2008)
  - Teaching students with complex communication needs to **blend phonemes and identify words** using the Nonverbal Reading Approach (internal speech) (Coleman, Heller, Cihak, & Irvine, 2005).
  - Teaching students with autism (Yaw et al., 2011) and intellectual disabilities (Yaw et al., 2012) to **read Dolch words**.
  - Teaching students with moderate intellectual disabilities to **read recipe sight words (CTD)** (Coleman, Hurley, & Cihak, 2012)
  - Teaching students who are deaf or hard of hearing **definitions of vocabulary words (simultaneous prompting)** (Coleman, Phelan, Cihak, Martin, & Wolbers, in press).
  - Current studies in progress: increasing letter recognition and letter-sound recognition; increasing phoneme blending/decoding
Free Ways to Play PowerPoints

For students who have computers or devices, but not PPT at home, free options to allow them to practice skills at home include:

FULL FEATURES:

- PowerPoint Player free download from Microsoft (still produced & supported for Windows; still available in other places for Mac -- Play (but not create/adapt) PowerPoints
- Keynote (Mac)
- iPad or iPhone: PowerPoint App (free with Microsoft account) - plays animations and narrations; also useful for creating or adapting presentations

LIMITED FEATURES

- Office software for both platforms: OpenOffice (Free from www.openoffice.org) or Libreoffice (free from www.Libreoffice.org) -- Play, create, and adapt PowerPoints (simple animations, no narration); Presentations do not transfer well, but could be created and used in these free programs
- Export as movie and send to any device (no control over slideshow, but all of the features and sounds will be visible).
- Save as PDF and email it or save on Google Drive (free)- Will not play animations or narration
- iPad: Slideshark (25 MB free with registration) - will not play narration
“I have news!” Mommy said. “We are going to take care of a puppy. The Razzles asked us to puppy-sit Pinky this week when they are away.”
PowerPoint Presentation into Video
Exporting a PowerPoint Presentation as a Video

Export

Create a Video

Create a PDF/XPS Document

Package Presentation for CD

Create Handouts

Change File Type

Create a Video

Save your presentation as a video that you can burn to a disc, upload to the web, or email

- Incorporates all recorded timings, narrations, and laser pointer gestures
- Preserves animations, transitions, and media
- Get help burning your slide show video to DVD or uploading it to the web

Editor: 8th HD Displays
- For viewing on a computer monitor, projector, or high definition display (Large — 1280 x 720)

Use Recorded Timings and Narrations
- Slides that do not have timings will use the default duration set below. Any recorded laser point...

Seconds spent on each slide: 05.00

Create Video
Ideas for PowerPoint

- Here are some of the ways that PowerPoint can be used to create interactive activities for kids.

- Sample Activities
  - Cause / Effect Activities
  - Social Stories
  - Books
  - Academics & Functional Academics
  - Functional Skills
Simple Cause & Effect Activity

Photograph + Record Narration, Clip art + clip sounds; Animation
Social Story

Animations or narration can be added to meet the student’s needs
When Ms. Amy Leaves

A story about Jim
Sometimes, Ms. Amy has to leave the classroom.
When Ms. Amy leaves, I need to be calm in the classroom.
When Ms. Amy is not in the room, Ms. Arial, Ms. Candace, and Ms. Christy will give me cool tokens for being calm.
When I earn cool tokens, I get to earn really cool stuff like my mirror, gloves, or cards.
Ms. Amy, Ms. Arial, Ms. Candace and Ms. Christy are happy when Ms. Amy comes back and I have been calm.
Simple Life Sciences Activity
Life Science
Content Standard: Life Science:

- The student will understand that living things have characteristics that enable them to survive their environment.

- Diversity and Adaptation Among Living Things (Biodiversity)
Alternate Learning Expectation (ALE):

- Alternate Learning Expectation (ALE): LS. 3A. Recognize the differences among plants and animals of the same kind, including the features that help them to survive in different environments

- 1. Distinguish between plants and animals
PLANTS
Animals
Task Analysis: How to Make Double-Sided Copies

Picture Task Analysis with Directions Added
Put the documents to be copied into the top feeder tray

Make sure the documents are face up
1. Press 1 2 3 4 on the keypad
1. Enter password and press "login" or "Access".

2. Touch "Login".
1. Enter the number of copies on the keypad

Number will change here
Touch “1-Sided > 2-Sided”
Touch “OK”
Press start button
Your copies will come out the side tray
Don’t forget to pick up your original documents here
Simple Consonant Sounds Activity
Consonant Sounds
t
Here are some words that start with the letter t.
They start with the “t” sound.
Sight Word Reading with Constant Time Delay & Signed Exact English Definitions with Simultaneous Prompting
Kevin Hurley: Let’s Practice Reading!
Now remember, if you do not know what the answer is
**WAIT** and I will **TELL YOU**
whisk
whisk
pudding
pudding
refrigerate
refrigerate
Meredith Phelan’s Vocabulary Set 1

October 11, 2011
publish
The printing and distributing of your writing.
Story Writing Prompts

Simple animations: fly in, grow
Thanksgiving Story

by

Replace this with your name
Delete this text and write the first part of your Thanksgiving story here.
Delete this text and write the next part of your Thanksgiving story here.
Simple Interactive Activity
Phoneme Blending: Word Family
it
hit
hit
PowerPoint Books

- Chafee Amendment
Book Scanned & Inserted into PowerPoint for Physical Access
How can Amber get her parents to listen?
Read more about Amber Brown

Amber Brown Is Not A Crayon
You Can't Eat Your Chicken Pox, Amber Brown
Amber Brown Goes Fourth
Amber Brown Wants Extra Credit
Forever Amber Brown
Amber Brown Is Feeling Blue
I, Amber Brown
Amber Brown Is Green With Envy
Chapter One

I, Amber Brown, am going through a growth spurt. Either that or the mirror’s getting smaller. I keep looking at myself from different angles. Either my legs are getting longer or my pants are getting shorter. Either my eyesight is getting bad or my bangs are covering my eyes. I can practically feel myself getting taller . . . My new shoes that I got only two months
Book Scanned and Inserted into PowerPoint for Visual Access (no animations)
Sheep in a Jeep

Illustrated by Margot Apple
Beep! Beep! Sheep in a jeep on a hill that’s steep.
Book Scanned and Inserted into PowerPoint: Text Replaced / Narrations Recorded for Access to Text
“Is your mama a llama?” I asked my friend Dave.
“No, she is not,” is the answer Dave gave.
“She hangs by her feet and she lives in a cave. I do not believe that’s how Llamas behave.”
“Oh,” I said, “You are right about that. I think your mama sounds more like a…”
“Bat!”
Bilingual Book Scanned & Inserted into PowerPoint

*** Note: Copyright law prohibits the use of books prepared like this unless the individual has a disability that impacts access to print
HERE WAS ONCE

a bossy little rooster, un gallito mandón,
who was on his way to the wedding
of his uncle the parrot, su tío Perico.
He looked very elegant and clean.

As he walked along, he spotted two korns of corn,
so shiny and gold, very near a puddle of mud.

ERE UNA VEZ

un gallito mandón
que iba a la boda
de su tío el perico.

Muy elegante y limpiecito
andaba el gallito cuando diviso dos granitos de maíz
amarillitos y relucientes, en medio del lodo
a la orilla del camino.
Book Scanned and Inserted into PowerPoint with Brush Color and Narration with Animations
Pinkalicious
Puptastic!

by Victoria Kann
“I have news!” Mommy said. “We are going to take care of a puppy. The Razzles asked us to puppy-sit Pinky this week when they are away.”
Pinky and I will take long walks, chase butterflies, and play fetch.
“Taking care of Pinky will be pinkabulous!” I said happily.
“Pinky isn’t really pink,” said Daddy.
“She just has a pink nose.”
“There’s no such thing as a pink dog,” said Peter.
The next day, when the bell rang
I rushed to open the door.
“Hello, Pinky.
It’s nice to meet you.
I am Pinkalicious!” I said.
Pinky didn’t bark.
She didn’t lick my hand.
When I tried to pet her, she hid!
Graphic Novel / Comic Book
One day in Chima...
Laval and his friends play hide and seek.

Cragger?
Where are you?

Got you!
That’s what you think!

Hey! You put a banana on my tail!

Mmm!
Munchies!
Thanks, Crocodile!
Nice one, Laval!

Thanks, Eris. And Skinnet can find Worriz for me.

You know I have a very sensitive nose, Laval. That is so not fair.

Quick question, Laval: Who’s your best friend?

You are! Nothing will ever come between us.

I know. Hey, do you want to try something really awesome?

Cragger takes Laval to the Lion Temple...

You want to sneak in and see the CHI? The sacred life-force of Chima?

What, are you scared?
Activity for Practicing Algebraic Equations
Algebra
The student will understand and generalize patterns as they represent and analyze quantitative relationships and change in a variety of contexts and problems using graphs, tables, and equations.
Alternate Learning Expectation (ALE):

A.3. Use concrete, pictorial, and verbal representations to develop an understanding of the language and symbols of mathematics.

4. Represent the idea of a variable as an unknown quantity using a letter or symbol.
Solving for a variable

3 + 4 = 7

3 + 4 = 7
3 + 4 = 7

-  

= 4
Solving for a variable

\[ +2 = 9 \]

\[ -2 = -2 \]

\[ = 7 \]
Solving for a variable

A variable is a _letter_ that represents an _unknown number_.

Solving for a variable

\[ x + 5 = 8 \]

\[-5 \quad \quad \quad -5 \]

\[ = 3 \]
Computer Basics Quiz: Use of Hyperlinks for Student Responses
Computer Basics: Quiz 1

Icons and Symbols
Which icon below probably means “create new”?
No, this symbol means “bookmark”

Click the go back button to try again.
No, this symbol means “eject”

Click the go back button to try again.
No, this symbol means “save”

Click the go back button to try again.
Right! This symbol means “create new”

You should look for this symbol when you want to create a new calendar appointment, new email message, or create a new contact.

Click the next button to go to the next question.
Which icon below shows the "undo" button?
No, this symbol means “rewind”.

It is usually seen on a video or audio file toolbar.

Click the go back button to try again.
No, this icon is used to control the volume of the speakers or headphones.

Click the go back button to try again.
No, this icon is used to open the device camera.

Click the go back button to try again.
Right! This symbol means “undo”. Clicking this icon will undo the last action.

*Undo is your friend!*

Click the next button to go to the next question.
Which icon would you choose to insert a new image?
No, that is the wrong answer.

Click the go back button to try again.
Correct!

Great Job!

Click the next button to go to the next question
What is this symbol ☐ ?

A. Google Chrome
B. Google Groups
C. Windows Start Menu
D. Google Drive
No, this is the symbol for Google Chrome.

You click on the Google Chrome icon to open the chrome internet browser.

(Sometimes I call it the “google beach ball” in class)

Click the go back button to try again.
No, this is the symbol for Google Groups.

You click on the Google Groups icon to go to our class discussion boards and announcements page.

Click the go back button to try again.
No, this is the symbol for the Windows Start Menu.

You click on the Windows Start Menu icon to view the programs installed on a Windows desktop computer, like the ones in our classroom.

Click the go back button to try again.
Correct!

Great Job!

Click the next button to go to the next question
As you can see, the possibilities for PowerPoint activities are...
As you can see, the possibilities for PowerPoint activities are... ENDLESS!!!! We’d be warmer if we were here!
If you have not already done so and want to follow along with us as we show you how to use some of the advanced features, please go to http://web.utk.edu/~mbc/PowerPoint and download PowerPoint Practice Template.