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**Activity**

Types of Technology

MODULE 7: Presentation Applications

This **activity** was written for the Florida Public School System DIGITAL INFORMATION TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber Florida, and the Florida Department of Education.

# Module 7: Presentation Applications

## Activity: Types of Technology

The student uses the Internet to research careers related to technology, then creates a presentation using specific elements.

## Standards Assessed

* **05.02** Use presentation software to format and edit slides (e.g., adding and removing slides, slide layouts, format slide design, insert or format placeholders).
* **05.03** Locate, create and incorporate graphical and multimedia elements, including: shapes, graphics, images, bullets, hyperlinks, video, and audio into a slide presentation.
* **05.04** Enhance overall visual presentation by applying font selection, design themes, color schemes, templates, etc.
* **05.05** Create and manipulate graphical and multimedia elements using additional styles and effects (e.g., color selections, tone, contrast, shadows, picture styles).
* **05.06** Demonstrate various business-related elements that can be created, embedded and manipulated in a slide presentation, including: charts, graphs, tables, media, spreadsheets, and illustrations.
* **05.07** Customize presentation settings by using appropriate slide transitions and animations (e.g., on click, rehearsed timings).

## Teacher Notes

Teachers can use whatever presentation software is available for the students such as Microsoft PowerPoint or other presentation applications compatible with .pptx files. Use other online resources to help students learn the details of a specific product.

## Estimated Student Completion Time

* 45 minutes x 1-2 classes to complete the activity

## Activity Rubric

Consider evaluating the student’s work based on measures of quality. For example, with a maximum of 4 Points Possible, the following could be applied to the activity:

* **1 Point Earned** = ***Needs Improvement*** (the student work did not meet more than 50% of the requirements and did not follow instructions)
* **2 Points Earned** = ***Developing*** (the student met between 50% and 75% of the requirements and generally followed the instructions)
* **3 Points Earned** = ***Sufficient*** (the student met between 75% and 90% of the requirements and clearly followed instructions)
* **4 Points Earned** = ***Above Average*** (the student met > 90% of the requirements and followed all instructions)

Use the table below to make sure students cover all required elements in the assignment.

| **Slide** | **Requirements** | **Possible Points** | **Points Earned** |
| --- | --- | --- | --- |
| Slide 1: Title Slide | * Title: Types of Technology * Full Name as the Subtitle |  |  |
| Slide 2: Medical Technology | * Title: Medical Technology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 3: Construction Technology | * Title: Construction Technology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 4: Energy/Power Technology | * Title: Energy/Power Technology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 5: Manufacturing Technology | * Title: Manufacturing Technology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 6: Transportation Technology | * Title: Transportation Technology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 7: Biotechnology | * Title: Biotechnology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 8: Agricultural Technology | * Title: Agricultural Technology * Description of career * Image related to career * Image of tech device in the field * Slide layout is Two Content |  |  |
| Slide 9 Technology in Schools | * Title: Technology in Schools * 4 images of technological devices you use in school * Slide layout is Two Content |  |  |
| Theme | * Theme selected |  |  |
| Transition | * Transition to each slide |  |  |
| Slide Show Timings | * Each slide automatically advances at 3 seconds |  |  |
| Sound | * 5 slides with sound |  |  |
| Animations | * 2 animations per slide |  |  |

# Activity: Types of Technology

**Students Instructions**: Use the Internet to research careers related to technology, then create a presentation using specific elements.

Complete the following tasks using Microsoft PowerPoint or other presentation application compatible with .pptx files.

1. Create a new presentation.
2. Change the theme to a theme of your choice.
3. Slide 1 – Add the following elements:
   1. Title: Types of Technology
   2. Subtitle: Your Name
4. Insert 9 new slides. Note: You should have 10 total slides.
   1. Choose the Slide Layout of Two Content.
5. Slide 2 – Add the following elements:
   1. Title: Medical Technology
   2. Description of Medical Technology - Products, services or solutions used to save and improve people’s lives.
   3. Image related to a career in medical technology.
   4. Image of a technological device used in the medical field.
6. Slide 3 – Add the following elements:
   1. Title: Construction Technology
   2. Description of Construction Technology - The design and development of new buildings and structures.
   3. Image related to a career in construction.
   4. Image of a technological device used in the construction field.
7. Slide 4 – Add the following elements:
   1. Title: Energy/Power Technology
   2. Description of Energy/Power Technology - The power/fuel of technology.
   3. Image related to a career in energy/power.
   4. Image of a technological device used in the energy/power field.
8. Slide 5 – Add the following elements:
   1. Title: Manufacturing Technology
   2. Description of Manufacturing Technology - The design and development of products.
   3. Image related to a career in manufacturing.
   4. Image of a technological device used in the manufacturing field.
9. Slide 6 - Add the following elements:
   1. Title: Transportation Technology
   2. Description of Transportation Technology - The movement of people or goods.
   3. Image related to a career in transportation.
   4. Image of a technological device used in the transportation field.
10. Slide 7 – Add the following elements:
    1. Title: Biotechnology
    2. Description of Bio-Technology - Technology related to biology and the development of products that help improve our lives and the health of our planet.
    3. Image related to a career in biotechnology.
    4. Image of a technological device used in the field of biotechnology.
11. Slide 8 – Add the following elements:
    1. Title: Agricultural Technology
    2. Description of Agricultural Technology - Application of techniques to control the growth and harvesting of animal and vegetable products.
    3. Image related to a career in agricultural technology.
    4. Image of a technological device used in the agriculture field.
12. Slide 9 – Add the following elements:
    1. Title: Technology in Schools
    2. Add 4 images of technological devices you use in school.
13. Slide 10 – Add the following elements:
    1. Title: My Future Career
    2. Image of someone or something related to your future career.
    3. Image of 2 technological devices used in your future career.
    4. Add a slide different transition to each slide.
14. Change the Duration to 2.00 on each slide.
15. Set the slides to Automatically Advance after 3 seconds, or 00:03.00.
16. Use the Apply to All command to apply your changes to every slide.
17. Add Sound to 5 slides.
18. Add at least 2 Animations to each slide.
19. Save your presentation based on the teacher’s instructions.