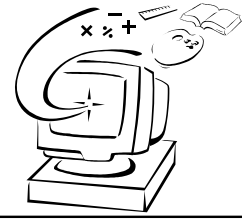


# DESIGNING A ROBOT LESSON PLAN



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## WEEK 6 - DAY 26 & 27

### Lesson Objectives:

- Import and modify images using a graphics program
- Demonstrate desktop publishing techniques used to create graphics
- Model usage of graphics tools within a graphics program
- Apply design concepts to create an original drawing

### Materials:

- Scope and Sequence - How to Teach Key Questions
- Resource 1.4 Big 6 Organizer or Resource 4.4 Cornell Notes
- TechConnect Glencoe Activity 143 (AC143)
- Fireworks or Graphic Image Manipulation Program (GIMP)

### Instructional Strategies:

- Practical Application
- Independent Practice
- Group Collaboration
- Brainstorming
- Class Discussion

### Instructional Flow:

In this activity, students are introduced to modern robots. They discover the uses and main characteristics of robots. Students then use a graphics application to design robots that can perform tasks people may not want to do. Students draw and color their robots, label the parts, and explain each part's purpose.

- 1) Provide students with an overview of the project.
- 2) Direct students to the Online TechConnect Glencoe Activity 143 (AC143).
- 3) Provide students with the Big 6 Organizer handout or the Cornell Notes to organize and plan the project.

# MS POWERPOINT LESSON PLAN



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## WEEK 6 - DAY 28

### Lesson Objectives:

- Demonstrate how to create, modify, and save a MS PowerPoint Presentation
- Apply word art and clip art skills from MS Word to MS PowerPoint
- Create a blank presentation in MS PowerPoint
- Demonstrate the ability to insert slides into a presentation
- Insert an image or graphic into a presentation

### Materials:

- Scope and Sequence - How to Teach Key Questions
- Resource 6.1 - MS PowerPoint Basics

### Instructional Strategies:

- Practical Application
- Independent Practice
- Group Collaboration
- Brainstorming
- Class Discussion

### Instructional Flow:

- 1) Introduce students to the MS PowerPoint program by briefly explaining how it is used in classrooms, business, and meetings.
- 2) Provide each student with the MS PowerPoint Basics handout, allowing each student to utilize the documentation to learn basic PowerPoint skills.

# MS POWERPOINT LESSON PLAN



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## WEEK 6 - DAY 29

### Lesson Objectives:

- Demonstrate how to create, modify, and save a MS PowerPoint Presentation
- Apply word art and clip art skills from MS Word to MS PowerPoint
- Create a blank presentation in MS PowerPoint
- Demonstrate the ability to insert slides into a presentation
- Insert an image or graphic into a presentation

### Materials:

- Scope and Sequence - How to Teach Key Questions
- Resource 1.4 Big 6 Organizer or Resource 4.4 Cornell Notes
- Resource 6.2 - My Family PowerPoint Student Checklist
- Resource 6.3 - Project Grading Rubric

### Instructional Strategies:

- Practical Application
- Independent Practice
- Group Collaboration
- Brainstorming
- Class Discussion

### Instructional Flow:

- 1) Provide students with the Project Checklist.
- 2) Explain to students that they are to create a PowerPoint Presentation using the skills learned through the tutorial in the previous lesson.
- 3) Students are to create a PowerPoint presentation about their family.
- 4) Students are to complete this assignment in one class period. Time Management should be discussed at this point.
- 5) Teachers may choose to provide additional guidelines to students for the completion of this project, such as a minimum number of slides or other items.
- 6) Provide students with the Big 6 Organizer or the Cornell Notes to organize the project.

# MS POWERPOINT LESSON PLAN



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## WEEK 6 - DAY 30

### Lesson Objectives:

- Demonstrate how to create, modify, and save a MS PowerPoint Presentation
- Apply word art and clip art skills from MS Word to MS PowerPoint
- Demonstrate how to navigate and insert clipart into the presentation
- Demonstrate how to insert audio, tables, and graphs into a presentation
- Demonstrate how to animate objects and format slide transitions in a presentation
- Demonstrate the ability to utilize scanners or import graphics

### Materials:

- Scope and Sequence - How to Teach Key Questions
- Resource 6.4 - Advanced PowerPoint Tutorial

### Instructional Strategies:

- Practical Application
- Independent Practice
- Group Collaboration
- Brainstorming
- Class Discussion

### Instructional Flow:

- 1) Provide students with the Advanced PowerPoint Tutorial.
- 2) Students are to complete the tutorial in one class period.
- 3) Explain to students that some of the materials in the tutorial will be review items, so encourage them to manage time effectively and complete the review portions quickly.