

Introduction to Digital Technology

IT-IDT-1. Demonstrate employability skills required by business and industry.

- 1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities.
- 1.2 Demonstrate creativity with multiple approaches to ask challenging questions resulting in innovative procedures, methods, and products.
- 1.3 Exhibit critical thinking and problem-solving skills to locate, analyze, and apply information in career planning and employment situations.
- 1.4 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.
- 1.5 Apply the appropriate skill sets to be productive in a changing, technological, and diverse workplace to be able to work independently, interpret data, and apply team work skills.
- 1.6 Present a professional image through appearance, behavior, and language.

IT-IDT-7: Use computational thinking procedures to analyze and solve problems.

- 7.1 Apply strategies for identifying routine hardware and software problems current to everyday life.
- 7.2 Identify compatibility issues and describe operational problems caused by hardware errors.
- 7.3 Explain how technology can be used to solve problems.
- 7.4 Explain software development process used to solve problems.
- 7.5 Explore commonly used documentation tools for design specifications.
 - a. Flowcharts, visual and textual storyboards.

Lesson Title: Problem Solving, Flowcharts, and Algorithms

Essential Question(s):

- How will the steps in problem solving assist in the design of flowcharts and programming/coding?

Learning Target(s)

- **LT1:** I can identify hardware and software problems that happen daily.
- **LT2:** I can explain how technology is used to solve problems.
- **LT3:** I can explain software development and how the process is used to solve problems.
- **LT4:** I can explore documentation tools such as flowcharts, visual and textual storyboards.

February 11, 2019

Assignment(s)

 [Problem Solving and Game Development](#)

 Computational Thinking (**Tab 3**)

- Self-Assessment Activity
- Mind Map Assignment

 Problem Solving Strategies for Hardware and Software (**Tab 4**)

- Help Me Out! Discussion
- Save in Word document as *Last Name Help me*

 Algorithms

- Roberta Algorithm Assignment (**Tab 5**)
- You may also use Word to create your flow chart

<p>February 12, 2019</p>	<ul style="list-style-type: none"> # Problem Solving - Key Terms # Problem Solving Strategies for Hardware and Software
<p>February 13, 2019</p>	<ul style="list-style-type: none"> # Dress for Success: Wednesday February 13, 2019 # Reading Summary (1 – 2 paragraph summary): <ul style="list-style-type: none"> o Use Your Own Words o Read: Summary with in-text citations # What are problem-solving skills and why are they important? <ul style="list-style-type: none"> o After your summary: <ol style="list-style-type: none"> 1. What are problem solving skills? 2. Name and define the four stages of problem solving. 3. Name and explain four essential skills for problem solving. 4. How can you demonstrate problem solving on your resume? # Cite your work at the end of document MLA In-Text format <ul style="list-style-type: none"> o Double space, 1- inch margin (Top, Bottom, Left, Right) o IDT 6th period – First Initial Last Name (footer of the page) # Save as <i>Last Name PS Skills</i> in your article folder # Upload to Google Classroom