

Unit 07 - Methods

Content Area: **21st Century Life & Careers**
Course(s):
Time Period: **Semester 2**
Length: **2- 3 Weeks**
Status: **Published**

Unit Introduction

Standards

TECH.8.1.12	Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.
TECH.8.1.12.F	Critical thinking, problem solving, and decision making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
TECH.8.1.12.F.1	Evaluate the strengths and limitations of emerging technologies and their impact on educational, career, personal and or social needs.

Essential Questions

- How/why do we use nested looping?
- How/why do we use multiple classes?
- How do we use the Java API effectively?
- How/why do we use object oriented programming (OOP)?
- What are the advantages of object oriented programming?

Content / Skills

SKILLS

- Break down the larger program into smaller parts
- Use prewritten code, instead of recreating the wheel
- Select and use specialized databases for advanced research to solve real-world problems
- Program with objects.