



# PLTW App Creators and Technology/2025-2026/6-8 Instructional Plan

Created 8/6/2025

## **Contact Information**

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## **COURSE DESCRIPTION**

**In PLTW App Creators and Technology, your child will learn how to use the Google Suite products, how to code games in Python, and how to create applications that can be deployed to a tablet using MIT App Inventor.**

## **COURSE ACTIVITIES**

Below, you will find descriptions of the most common activities that students will participate in during the course of each semester.

**Throughout the year, students will:**

- Utilize Google Docs, Google Slides, Google Draw, and Google Earth
- Write code in Python
- Create educational, informational, and entertaining apps that can be deployed to a device

## **GRADES - Click here for → [YWLA Grading Policy](#)**

Major (Test, Projects, Writing) 60%

Minor (Notes, Daily Work) 40%

## **Classroom Resources**

- Google Suite lessons–Applied Digital Skills
- Google Classroom
- Code Monkey curriculum
- MIT App Inventor
- PLTW App Creator textbook online

## **Exam Date**

Fall-December 17 & 18

Spring–May 19-21



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## COURSE OBJECTIVES AND TOPICS

- 1st 6 weeks–binary code and history of computers, Applied Digital Skills (healthy digital habits, All About Me slideshow, country research and brochure in Google Draw), Code Monkey: Coding Adventure I lessons 1-50
- 2nd 6 weeks–Applied Digital Skills (Choose Your Own Adventure Story, Organizing Google Drive) Code Monkey: Coding Adventure I lessons 51-75 and Coding Adventure II lessons 76-120
- 3rd 6 weeks–Applied Digital Skills (Interactive Travel Guide, Creating Quizzes in Google Forms) Code Monkey Coding Adventure II lessons 121-145, Sphero Robotics using Scratch
- 4th 6 weeks–PLTW App Creator Unit 1 App Revolution, Algorithms, Germ Guide App, Coding with Conditionals, debugging, building an app
- 5th 6 weeks–Unit 2 Coding with loops and lists, build a body app, charades game, coding procedures, disease tracker, Code Monkey Banana Tales 1-75
- 6th six weeks– Unit 2 continued Fitness Challenge App, Unit 3 App Design Challenge, Code Monkey Banana Tales lessons 51-100

## Optional Materials/Resources

Binary Code handouts from supplemental materials  
Pixton (teacher regulated and curated)

## Anything else you want to include for your course:

If your child is absent, it is crucial that they come to tutorials to learn what they missed. It is very important that your child keeps up with the class in Code Monkey. If she is falling behind, please make arrangements for her to go to tutoring ASAP.

Project Lead the Way is very proprietary. If you want to view materials, you will have to schedule an appointment with me or go into the text with your student. You will not be able to preview materials otherwise.

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

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