

## Warren County School District

### PLANNED INSTRUCTION

#### COURSE DESCRIPTION

**Course Title:** App Creators (PLTW STEM COURSE)

**Course Number:** 00756

**Course Prerequisites:** None

**Course Description:**

App Creators introduces students to the field of computer science and the concepts of computational thinking, through the creation of mobile apps. Students are challenged to be creative and innovative, as they collaboratively design and develop mobile solutions to engaging, authentic problems. Students experience the positive impact of the application of computer science to society as well as other disciplines, particularly biomedical science.

The course provides students opportunities for self-expression. Teams identify a personal or community problem of interest to them that can be solved with mobile app solution. The problem can address issues such as health and wellness, the environment, school culture, emergency preparedness, education, community service – the options are endless!

**Suggested Grade Level:** 6 - 8

**Length of Course:**    ☐ One Semester                      ☐ Two Semesters                      ☒ Other (9-week course)

**Units of Credit:** .25 Middle Level Credit (Insert *None* if appropriate)

**PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:**  
CSPG 33, CSPG 54, CSPG 65

**Certification verified by WCSD Human Resources Department:** ☒ Yes    ☐ No

#### TEXTBOOK AND SUPPLEMENTAL MATERIALS

**Continue using Board approved textbook?** ☐ Yes    ☐ No (If yes, then complete the information below.)

**Board Approved Textbooks, Software, Supplemental Materials:**

**Title:** Project Lead the Way Durable and Consumable Resources

**Publisher:**

**ISBN #:**

**Copyright Date:**

**Date of WCSD Board Approval:**

## **BOARD APPROVAL:**

**Date Written:** 8/28/2018

**Date Approved:** October 8, 2018; March 11, 2019 Revised Credit

**Implementation Date:** 2018-2019

### **SPECIAL EDUCATION AND GIFTED REQUIREMENTS**

The teacher shall make appropriate modification to instruction and assessment based on a student's Individual Education Plan (IEP) or Gifted Individual Education Plan (GIEP).

### **COURSE OVERVIEW**

*(List the content to be taught)*

**For standards, essential questions, content, and skills see Curriculum Map** – See attached course outline and academic standards taught within this course.

### **ASSESSMENT**

**Portfolio Assessment:** ☐ Yes ☒ No

**District-Wide Common Final Examination Required:** ☐ Yes ☒ No

**Course Challenge Assessment (Describe):** None

**WRITING TEAM:** Warren County School District

### **WCSD STUDENT DATA SYSTEM INFORMATION**

1. Is there a required final examination? ☐ Yes ☒ No  
*\*Warren County School District Policy 9741 and 9744 state, "All classes in grades 9-12 shall have a final exam."*
2. Does this course issue a mark/grade for the report card? ☒ Yes ☐ No
3. Does this course issue a Pass/Fail mark? ☐ Yes ☒ No
4. Is the course mark/grade part of the GPA calculation? ☒ Yes ☐ No
5. Is the course eligible for Honor Roll calculation? ☒ Yes ☐ No
6. What is the academic weight of the course?  

☐ No weight/Non credit☒ Standard weight☐ Enhanced weight