

Grade 7 Technology Apps and Grade 8 Technology Apps Syllabus

Course Description/Goals:

Students in this course will learn about technology systems, TechSmart curriculum with google tools, typing.com and career building activities. This course will help students gain professional skills like communication, collaboration, decision making, research, and portfolio building.

Course TEKS/Objectives:

Technology includes data communication, data processing, and the devices used for these tasks locally and across networks. Learning to apply these technologies motivates students to develop critical-thinking skills, higher-order thinking, and innovative problem solving. Technology applications incorporate the study of digital tools, devices, communication, and programming to empower students to apply current and emerging technologies in their careers, their education, and beyond. (2) The technology applications Texas Essential Knowledge and Skills (TEKS) consist of five strands that prepare students to be literate in technology applications by Grade 8: computational thinking; creativity and innovation; data literacy, management, and representation; digital citizenship; and practical technology concepts. Communication and collaboration skills are embedded across the strands. Strands include: Computational Thinking, Creativity & Innovation, Data Literacy, Management & Representation, Digital Citizenship, and Practical Technology Concepts.

<https://tea.texas.gov/about-tea/laws-and-rules/sboe-rules-tac/sboe-tac-currently-in-effect/ch126b.pdf>

Course Outline:

Semester 1	Semester 2
-Typing Skills -Code 4 Life -TechSmart: <ul style="list-style-type: none"> ● Statements & Variables ● Values ● Expressions ● Conditionals -Applied Digital Skills: Creating If/Then Stories	-Advanced Typing: Accuracy Focus & Numeric Keypad -Techsmart: <ul style="list-style-type: none"> ● Booleans ● While Loops ● Randomness & Libraries ● Debugging ● Program Analysis -Applied Digital Skills: Avoiding Online Scams -Technology in the Workplace -TechSmart: <ul style="list-style-type: none"> ● Lines ● Shapes & Color ● Animation ● Program Structure ● Mouse & Keyboard ● Time

