Course Overview

Middle School I 7 I Business - *Last Updated on March 21, 2025*

DESCRIPTION

K-12 Content Area | Mission & Philosophy Statement
• Financially literate global citizens make informed personal and professional decisions, essential for navigating and succeeding in an interconnected economic environment. • Innovative and opportunistic thinkers can initiate and manage businesses effectively by understanding market dynamics and business planning, thus enhancing their competitiveness in an entrepreneurial landscape. • Adept technology users continuously develop their ability to seamlessly integrate tools, tackle complex business challenges, and drive innovation with a growth mindset, making them invaluable in a technology-driven global economy. • Understanding the ethical and legal standards in business ensures that young people can lead and operate within guidelines, which is essential for maintaining trust and integrity in organizational settings. • Refined communicators and collaborators effectively work on teams, build professional networks, and contribute to a culturally diverse workforce.

Course Description
The 7th Grade Scratch course at Saucon Valley School District is designed to advance students' understanding of programming using the Scratch language. Over a span of 20 days, this course builds on prior knowledge and introduces more complex projects like games and interactive stories. Students will engage in creating and sharing their own Scratch projects, developing essential mathematical and computational thinking skills. The course emphasizes creativity, systematic reasoning, and collaboration, encouraging students to think critically and solve problems through computational creation. Throughout the course, students work on a series of progressively challenging projects, starting with a review of prior knowledge and moving on to specific games like Crossy Road, Air Hockey, and Platform Games. Each project requires students to apply computational concepts such as sequences, loops, parallelism, conditionals, and variables. These activities not only solidify their understanding of programming but also enhance their skills in debugging, iterative development, and remixing code. By creating these interactive projects, students learn to express complex ideas through simple instructions and gain fluency in using various Scratch blocks. The course culminates in a final project where students independently design and develop a Scratch project of their choice. This project allows them to apply all the concepts and skills learned throughout the course, fostering a deeper understanding of abstracting and modularizing in programming. Students brainstorm

ideas, outline their projects, and receive feedback through collaborative group work. The final project is a comprehensive exercise that challenges students to synthesize their learning and showcase their ability to think creatively and reason systematically in a computational context.

STANDARDS

Pennsylvania - Grade 6-8 - Business, Computer and Information Technology

15.4.8.A 15.4.8.B 15.4.8.C 15.4.8.D 15.4.8.E 15.4.8.F 15.4.8.G 15.4.8.H

15.4.8.I 15.4.8.J 15.4.8.K 15.4.8.L 15.4.8.M

COURSE OBJECTIVES

Specific objectives for this course are aligned to the Pennsylvania Academic Standards for Business, Computer, and Information Technology, and the Pennsylvania Core Standards for Career Education and Work & Entrepreneurship, as outlined in the Scope and Sequence for Entrepreneurship.

ASSESSMENT TYPES

- Curriculum-based measures
- Benchmark Assessments
- Formative Assessments
- Summative Assessments
- Performance-Based Assessments

SUGGESTED METHODS OF INSTRUCTION

The 7th Grade Business course utilizes a variety of instructional strategies to engage students and enhance their understanding of communications and computing concepts. Below is a list of suggested strategies for high-quality instruction:

- Instructional components outlined in the *Framework for Teaching* by Charlotte Danielson
- Computer simulations
- Case studies and real-life scenario analysis
- Collaborative projects and group discussions

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RESOURCES

District Approved Program Resources	District Approved Supplemental Resources	District Approved Technology Resources
Scratch		Microsoft Office Suite Google Suite