

Upper Moreland Township School District
2900 Terwood Road
Willow Grove, PA 19090

Planned Course for Business and Technology

Course: Seventh Grade Business and Technology

PA Academic Standards for Business, Computer and Information Technology

15.1.8. Accounting
15.2.8 Career Management
15.3.8 Communication
15.4.8 Computer and Information
Technologies
15.6.8 Finance and Economics
15.9.8 Marketing

PA Academic Standards for Career Education and Work

13.1.8 Career Awareness and Preparation
13.2.8 Career Acquisition
13.3.8 Career Retention and Advancement
13.4.8 Entrepreneurship

ISTE Standards

1. Empowered Learner
2. Digital Citizen
3. Knowledge Constructor
4. Innovative Designer
5. Computational Thinker
6. Creative Communicator

CSTA Standards

- 2- CS – Computing Systems
- 2- NI – Networks & The Internet
- 2-AP – Algorithms & Programming

Course Description:

The K-8 Business, Computer and Information Technology program is standards-based. It is designed to help students build the knowledge and skills that will enable them to be productive and innovative learners in the ever-changing world. The curriculum is organized to include the following four focus areas: coding, digital citizenship, application/skill and financial literacy. Each focus area helps students develop the essential skills of communication, collaboration, critical thinking, and creativity. The program is progressive and developmentally sequential across grade levels. It reflects the increasing complexity and rigor that will provide students with the foundations for a career in tomorrow's workforce.

The seventh grade course is designed to empower students with 21st Century skills. Seventh grade students will use technology tools to communicate and collaborate, to access and evaluate information, and to create and present relevant products. The application of these tools and skills will be emphasized using project based learning and through collaboration with the middle school librarian. Developing their critical thinking and problem solving skills, students will complete complex coding challenges. An on-going emphasis will be placed on the ethical use of technology, career based skills and financial literacy. Seventh grade students will be expected to complete a career based project at the conclusion of this course.

Specific and measurable objectives to be attained by students:

Specific objectives for this course are aligned to the ISTE and CSTA Standards, as well as the Pennsylvania State Standards outlined in the scope and sequence document for 7th Grade Business and Technology.

Materials:

Coding: Scratch, Google CS First, Learning.com

Digital Citizenship: Learning.com, Common Sense Media, EverFi

Financial Literacy: Learning.com, EverFi

Applications/ Skills: Microsoft Office Professional Suite, Online video editing tools, Google Suite, Impero, Computer for each student, SmartBoard, Printer

Instructional Activities:

A standards-based Business, Computer and Information Technology program provides authentic experiences and incorporates technology into content areas promoting student inquiry and problem solving. These learning experiences will develop thinking processes that are self-directed, creative, critical, and reflective. Instructional activities include the following best practices:

- Modeling
- Guided Practice
- Collaboration
- Whole Group Discussions
- Hands-on Activities
- Think-Pair-Share
- Teacher/Student Conferencing
- Peer Conferencing
- Direct Instruction
- Spaced Practice
- Vocabulary Instruction
- Summarizing
- Note Taking
- Class Discussion
- Self-Questioning
- Concept Mapping
- Reciprocal Teaching
- Problem Solving
- Identifying Similarities and Differences
- Extended Writing
- Peer Tutoring
- Debates/Formal Discussion

Estimated instructional time to be devoted to achieving objectives:

Students attend 7th grade Business and Technology (45 sessions) as part of the Unified Arts Cycle.

Forms of Assessment:

A variety of assessments will be used to determine student progress. The Assessment Plan includes the following components:

- Teacher Observations
- Rubric/Checklists
- Participation
- Performance Assessments

An explanation of how student grades will be determined:

Students will be evaluated in the areas of class work, class participation, and teacher observation. A minimum of three performance tasks will be considered in determining the student's grade.