



Technology Scope and Sequence

This policy was approved by the Board of Directors on August 17, 2010.

Introduction

The American Academy school climate is an environment where teachers and students work towards proficiency in using a wide variety of tools to enhance learning, problem solving, communication, collaboration, productivity and creativity. American Academy has made every effort to align this technology plan with the National Educational Technology Standards developed by the International Society for technology in Education (ISTE).

Technology Vision Statement

American Academy will develop and maintain the technology infrastructure, supporting curricula, and professional development structure to become a standard for excellence in Colorado as a school that uses technology to empower the learning community. Our mission is to ensure for each student a comprehensive education that provides students with technological ability as well as empowers these students with literacy in information technologies and communications networks as they connect to resources brought to them through the Internet. Students will also be taught to apply their technological knowledge to solve problems through authentic learning experiences where they will be challenged to complete educational tasks in new and creative ways. Through technology empowerment, American Academy students will become critical thinkers and achieve a desire for life long learning in their personal, educational, and workplace environment.

Scope and Sequence for Student Learning

ISTE's Technology Standards for Students

Students today possess numerable information and communications skills. New technology standards have shifted from teaching children how to operate technological hardware and software to preparing them for how to use their now solid ITC skills in problem-based, authentic learning experiences. The new focus from teaching technology tools is to raising academic achievement and preparing students for highly skilled jobs in the digital age and global economy

Teaching the technology standards is a team effort. Classroom teachers work with their grade level teams; STEM Director, and other support personnel to discuss how and when the objectives will be incorporated into the lessons.

With permission from the International Society for Technology in Education (ISTE), American Academy will utilize the technology standards set forth and published by the ISTE. ISTE's National Educational Technology Standards NETS have served as a roadmap for improved teaching and learning by educators throughout the United States. The standards, used in every U.S. state and many countries, are credited with significantly influencing expectations for students and creating a target of excellence relating to technology.

In 2006, ISTE began work on the next generation of NETS for Students, which focuses more on skills and expertise and less on tools. Specifically, they address:

- Creativity and Innovation
- Communication and Collaboration
- Research and Information Fluency
- Critical Thinking, Problem Solving, and Decision Making
- Technology Operations and Concepts

The complete ISTE's Technology Standards for Students can be found by going to the following web link:

http://www.iste.org/Content/NavigationMenu/NETS/ForStudents/2007Standards/NETS_for_Students_2007_Standards.pdf