Virginia Aerospace Science and Technology Scholars Program
isteNETS
National Educational Technology Standards for Students
Online Coursework Standards Alignment

VASTS Online Module Lessons

Technology Foundation Standards	1	2	3	4	5	6	7	8	9	10
Basic Operations and concepts:										
• Students demonstrate a sound understanding of the nature and operation of technology systems	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students are proficient in the use of technology	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Social, Ethical, and Human Issues:										
• Students understand the ethical, cultural, and societal issues related to technology						☑		☑	☑	☑
• Students practice responsible use of technology systems, information, and software	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Technology Productivity Tools										
• Students use technology tools to enhance learning, increase productivity, and promote creativity	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works		☑		☑		☑		☑		☑
Technology Communications Tools										
• Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences										
Technology Research Tools										
• Students use technology to locate, evaluate, and collect information from a variety of sources	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students use technology tools to process data and report results	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Technology Problem-Solving and Decision-Making Tools										
• Students use technology resources for solving problems and making informed decisions	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
• Students employ technology in the development of strategies for solving problems in the real world	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑