Technology at S.S.D.S.

GOALS:

The goal of technology class is to empower students to be 21st Century learners that are:

- Comfortable using technology
- Collaborating and communicating information by using the internet
- Discovering and learning information through effective research
- Expressing themselves through digital creation and innovation
- Ethical and responsible users of the internet
- Independent thinkers
- Able to approach and navigate new technologies

CLASS OVERVIEW:

Technology will be taught as a weekly (or biweekly) class where digital citizenship, information literacy, and technology skills are highlighted. Technology will be infused across the curriculum, be used for special projects, and enhance learning in Math, Science, Social Studies, Science, Music, Art, Hebrew, and Judaic Studies. We will also continue many of our successful global collaboration programs such as quad-blogging, video conferencing, and online project sharing.

PRE-K

Students will be introduced to the parts of the computer and taught how to use technology tools properly. Age-appropriate, curriculum-inspired games will be incorporated into class to enhance learning. Mouse skills and keyboarding will be introduced.

KINDERGARTEN

Students will be taught basic mouse and keyboarding skills. They will use online tools that enhance math, reading, and writing skills. Students will be exposed to different media and creation tools. They will practice basic online safety. Students will have the opportunity to publish their work and connect with a global audience. Students will also participate in the Kindergarten Circle Time Skype exchange.

FIRST GRADE

Students will continue to develop their keyboarding skills. First graders adapt their use of tools to reflect and support their academic growth. They will be exposed to a variety of tools in which to express themselves. Students will also begin troubleshooting simple computer problems. They will continue to practice online safety and digital citizenship.

SECOND AND THIRD GRADE

Students will be introduced to more complex tools and processes for creation of original works. They will

plan projects that require multiple steps, critical thinking, and information literacy. Digital citizenship will be further developed as students are introduced to concepts of copyright and ethical use.

FOURTH GRADE

Students have developed beginning fluency with digital tools and processes. This enables them to use tools in a variety of ways as part of their academic pursuits. Fourth graders are able to independently troubleshoot many technical problems and are increasingly competent with file management, keyboarding, and navigating digital environments. They have a growing sophistication in their understanding of digital citizenship and the implications of online behavior.

FIFTH GRADERS

Students are proficient digital citizens and fluent users of digital tools. Fifth graders learn to not only search information from a variety of sources, but also learn to filter and evaluate all kinds of information. They respect copyright and develop a basic understanding of the ways in which work is shared and licensed. They create and share original work and engage in critique and reflection.

SIXTH, SEVENTH, AND EIGHTH GRADERS

Students will further investigate the ideas of copyrighting and fair use. Middle school students will be expected to select appropriate technology to achieve learning goals. Students will publish, collaborate, and communicate work globally and engage with learners via the Internet. Keyboarding skills should continue to develop. Students will use technology to analyze data and identify solutions to real world scenarios.