

Jefferson County Student Technology Standards 2nd Grade (Novice)

Notes on standards

- Standard 1 (Appropriate and responsible use of tools) and Standard 2 (Information Literacy) are intrinsically linked. It is impossible to work with technology and resources without incorporating the principles of each. There is a tremendous overlap, so schools should teach the concepts together.

1. Appropriate and responsible use of tools	
<ul style="list-style-type: none"> • 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. 	
General Indicators	Examples of Performance
2.1.1 Communicate about technology using developmentally appropriate and accurate terminology.	Students use terminology: <ul style="list-style-type: none"> • computer • mouse • keyboard • monitor • storage (disks, flash, CD, DVD, etc) • printer • VCRs • other technical terminology
2.1.2 Apply developmentally appropriate resources to support learning.	Students use: <ul style="list-style-type: none"> • interactive books • curriculum software • electronic encyclopedias • Web resources
2.1.3 Demonstrate positive social and ethical behaviors when using technology.	Students demonstrate the ability to: <ul style="list-style-type: none"> • share equipment • help others
2.1.4 Practice responsible use of technology systems and software.	Students: <ul style="list-style-type: none"> • demonstrate safe and ethical use of online resources • practice appropriate care and use of equipment, resources and facilities • develop positive attitudes toward technology

2. Information Literacy

- Students practice responsible use of information.
- Students have the ability to access, evaluate and use information from a variety of sources for a variety of intended purposes.

General Indicators	Examples of Performance
2.2.1 Determine information needs, develop information- seeking strategies, locate information and acquire information.	Students: <ul style="list-style-type: none"> • Use teacher selected resources to locate pictures and written information related to a topic • Select appropriate fiction/nonfiction resources related to a topic • Follow a simple research plan established by library media specialist or teacher • Select a plant to research and determine sources necessary to find information on this topic • Use, with guidance, a key word search on a computerized library catalog to find sources on a topic (i.e.: a famous person, holiday, etc.) • Experiment with available electronic sources (i.e.: online catalog, periodicals, database, etc.)
2.2.2 Evaluate information for accuracy, relevance and bias.	Students with guidance: <ul style="list-style-type: none"> • Identify main idea in resource text • Distinguish between fact and opinion • Develop criteria to judge the relevance and completeness of information
2.2.3 Understand ethical use of information and information technologies.	Students: <ul style="list-style-type: none"> • Credit sources verbally • Discuss plagiarism. Demonstrate understanding of the concept of ownership of ideas • Create a group list of sources when exploring a topic
2.2.4 Organize and present information from technology resources using technology tools.	Students develop age appropriate: <ul style="list-style-type: none"> • multimedia presentations • documents • music • videos
<p><i>Most of this is lifted directly from the Information Literacy standards, with emphasis on knowledge seeking and responsible users.</i></p>	

3. Communication

- Students use communications 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.

General Indicators	Examples of Performance
<p style="text-align: center;">2.3.1</p> <p>With support from teachers, family members, or student partners, practice using communications tools to access remote information, communicate with others in support of learning and pursuing personal interests.</p>	<p>Students with guidance use:</p> <ul style="list-style-type: none"> • e-mail • word processing programs • cameras • scanner • web environments • drawing programs • simulation software

4. Technology resources and productivity tools

- Students use technology tools and resources to enhance learning, increase productivity, and promote creativity.
- Students use productivity tools to collaborate in constructing technology-enhanced models, preparing publications, and producing other creative works.

General Indicators	Examples of Performance
<p style="text-align: center;">2.4.1</p> <p>Employ general-purpose productivity tools, technology resources and peripherals to enhance learning, support personal productivity, remediate skill deficits and facilitate learning throughout the curriculum.</p>	<p>Students use:</p> <ul style="list-style-type: none"> • interactive books • curriculum software • electronic encyclopedias • Web resources • word processing tools to support the writing process
<p style="text-align: center;">2.4.2</p> <p>Work cooperatively and collaboratively with peers, family members, and others to utilize technology tools for individual and collaborative writing, communication, and publishing activities to create products for audiences inside and outside the classroom.</p>	<p>Students demonstrate:</p> <ul style="list-style-type: none"> • cooperation in group work • collaboration in home to school projects <p>Students with guidance create:</p> <ul style="list-style-type: none"> • a slide show • a multimedia stack • a musical composition
<p style="text-align: center;">2.4.3</p> <p>Use technology resources for learning and extended learning activities.</p>	<p>Students with guidance use:</p> <ul style="list-style-type: none"> • an automated library system • web resources • peripherals (e.g.: CD, audio, videos) • software

5. Technology operations

- Students demonstrate a sound understanding of the nature and operation of technology systems.
- Students are proficient in the use of technology.

General Indicators	Examples of Performance
<p>2.5.1 Utilize and understand appropriate storage devices.</p>	<p>Students use:</p> <ul style="list-style-type: none">• flash drives• hard drives• network devices• other external devices
<p>2.5.2 Operate input and output devices to successfully operate computers and other hardware devices.</p>	<p>Students operate:</p> <ul style="list-style-type: none">• VCR• CD-ROM• mouse• keyboard• monitors• other devices