

Catholic Identity Standards		
2.0 The student understands and integrates the content of what is learned into their faith and daily life.		
Ways to Grow	2.0A	recognize that every human life is sacred because each person is created and loved by God
	2.0B	describe ways to take part in/be responsible to the community by discerning and using our God-given gifts
	2.0C	recognize and oppose unjust social structures and work toward justice for all
	2.0D	see God at work in all things and as expressed in the sacraments
	2.0E	connect scripture, tradition, and the models of Mary and the saints to guide, grow, and deepen faith

Computational Thinking		
2.1 The student explores the core concepts of computational thinking, a set of problem-solving processes that involve decomposition, pattern recognition, abstraction, and algorithms.		
Applied Standards		Supporting Standards
2.1A	identify and communicate a problem or task and break down (decompose) multiple solutions into sequential steps	2.1B identify complex patterns and make predictions based on the pattern
2.1C	analyze a plan with adult assistance that outlines the steps needed to complete a task	
2.1D	create and troubleshoot simple algorithms (step-by-step instructions) that include conditionals such as if-then statements as they apply to an everyday task	

Computational Thinking		
2.2 The student, with guidance from an educator, applies the fundamentals of computer science.		
2.2A	identify and explore what a variable is in a sequence of code	
2.2B	use a design process to create a sequence of code that includes loops to solve a simple problem with or without technology	

Creativity and Innovation		
2.3 The student takes an active role in learning by using a design process to solve authentic problems for a local or global audience, using a variety of technologies		
2.3B	apply a design process with components such as testing and reflecting to create new and useful solutions to identify and solve for authentic problems	2.3A demonstrate personal skills and behaviors, including effective communication, following directions, and mental agility, needed to implement a design process successfully

Creativity and Innovation		
2.4 The student demonstrates an understanding that technology is dynamic and impacts different communities.		
2.4A	expected to identify and analyze how technology impacts different communities	

Data Literacy, Management, and Representation		
2.5 The student defines data and explains how data can be found and collected.		
2.5A	identify and collect non-numerical data, such as weather patterns, preferred reading genres, and holidays	
2.5B	conduct a basic search independently using provided keywords and digital sources	

Snapshot – Grade 2 Technology Applications

Data Literacy, Management, and Representation

2.6 The student communicates data through the use of digital tools.

2.6A use a digital tool to individually or collaboratively create and communicate data visualizations such as pictographs and bar graphs

Digital Citizenship

2.7 The student identifies appropriate ways to communicate in various digital environments

2.7A participate in digital environments to develop responsible and respectful interactions

Digital Citizenship

2.8 The student recognizes and practices responsible, legal, and ethical behavior while using digital tools and resources.

2.8A explain and demonstrate the importance of acceptable use of digital resources and devices as outlined in local policies or acceptable use policy (AUP)

2.8B communicate an understanding that all digital content has owners and explain the importance of respecting others' belongings as they apply to digital content and information

Digital Citizenship

2.9 The student practices safe, legal, and ethical digital behaviors to become a socially responsible digital citizen

2.9A demonstrate account safety, including creating a strong password and logging off accounts and devices

2.9B compare and contrast private and public information and discuss what is safe to be shared online and with whom

2.9C discuss cyberbullying and identify examples

Practical Technology Concepts

2.10 The student demonstrates knowledge and appropriate use of technology systems, concepts, and operations

2.10A select and use a variety of applications, devices, and online learning environments to create and share content

2.10B identify, compare, and describe the function of basic computer hardware, including a variety of input and output devices, and software applications using accurate terminology

2.10C operate a variety of developmentally appropriate digital tools and resources to perform software application functions such as reviewing digital artifacts and designing solutions to problems

2.10E identify, locate, and practice using keys on the keyboard, including secondary actions of different keys such as "@," "#," "\$," and "?"

2.10D practice ergonomically correct keyboarding techniques and developmentally appropriate hand and body positions