

Catholic Identity Standards		
5.0 The student understands and integrates the content of what is learned into their faith and daily life.		
Ways to Grow	5.0A	recognize that every human life is sacred because each person is created and loved by God
	5.0B	describe ways to take part in/be responsible to the community by discerning and using our God-given gifts
	5.0C	recognize and oppose unjust social structures and work toward justice for all
	5.0D	see God at work in all things and as expressed in the sacraments
	5.0E	connect scripture, tradition, and the models of Mary and the saints to guide, grow, and deepen faith

Computational Thinking		
5.1 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
5.1A	decompose a real-world problem into smaller, manageable subproblems using graphic organizers such as learning maps, concept maps, or other representations of data	5.1B identify patterns in real-world problems and make predictions based on the pattern
5.1C	design and create an outline collaboratively that documents a problem, possible solutions, and an expected timeline for the development of a coded solution	
5.1D	compare multiple algorithms for the same task and determine which algorithm is the most appropriate for that task	

Computational Thinking		
5.2 The student applies the fundamentals of computer science.		
5.2A	use variables within a program to store and modify data	
5.2B	use a design process to create block-based programs that include sequences, loops, conditionals, and events to solve an everyday problem	
5.2C	analyze a code and how the code may be reused to develop new or improved programs	

Creativity and Innovation		
5.3 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.		
5.3B	apply an appropriate design process that includes components to generate multiple solutions for an authentic problem and develop original products	5.3A explain the importance of and demonstrate personal skills and behaviors, including persistence, effective communication, following directions, mental agility, metacognition, problem solving and questioning, that are needed to implement a design process successfully

Creativity and Innovation		
5.4 The student demonstrates an understanding that technology is dynamic and impacts different communities.		
5.4A	predict how emerging technologies may impact different communities	

Data Literacy, Management, and Representation		
5.5 The student uses digital strategies to collect and identify data		
5.5A	identify and collect quantitative and qualitative data with digital tools	
5.5B	identify keyword(s), Boolean operators, and limiters within provided search strategies	

Snapshot – Grade 5 Technology Applications

Data Literacy, Management, and Representation

5.6 The student uses data to answer questions.

5.6A use digital tools to analyze and transform data and make inferences to answer questions

Data Literacy, Management, and Representation

5.7 The student communicates data through the use of digital tools to inform an audience.

5.7A use digital tools to communicate and display data using appropriate visualization to inform an intended audience

Digital Citizenship

5.8 The student understands different styles of digital communication and that a student's actions online can have a long-term impact.

5.8A identify the components of a digital footprint such as online activity, game use, or social media platforms

5.8C apply appropriate digital etiquette for collaborating with different audiences such as peers, teachers, and other adults

5.8B describe appropriate digital etiquette for addressing different audiences such as peers, teachers, and other adults

Digital Citizenship

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

5.9A demonstrate adherence to local acceptable use policy (AUP) and explain the importance of responsible and ethical technology use

5.9C create citations for digital forms of media with assistance

5.9B describe the purpose of copyright law and the possible consequences for inappropriate use of digital content

Digital Citizenship

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

5.10A discuss cybersecurity strategies such as using a secured internet connection to protect digital information

5.10C discuss and identify how interactions can escalate online and explain ways to stand up to cyberbullying, including advocating for self and others

5.10B discuss how data collection technology is used to track online navigation and identify strategies to maintain digital privacy and security

Practical Technology Concepts

5.11 The student engages with technology systems, concepts, and operations.

5.11A identify file types for text, graphics, and multimedia files

5.11B perform software application functions, including inserting or deleting text and images and formatting tools or options

Practical Technology Concepts

5.12 The student selects appropriate methods or techniques for an assigned task and identifies and solves simple hardware and software problems using common troubleshooting strategies.

Snapshot – Grade 5 Technology Applications

5.12A	describe and evaluate operating systems, learning management systems, virtual systems, and network systems such as internet, intranet, wireless network, and short-range wireless technology	
5.12B	organize files using appropriate naming conventions and folder structures	
5.12C	demonstrate proper touch keyboarding techniques with increasing speed and accuracy and ergonomic strategies such as correct hand and body positions	5.12D demonstrate keyboard or other input device shortcuts with fluency
5.12E	use help sources to research application features and solve software issues	