

**GREENWICH TOWNSHIP SCHOOLS
TECHNOLOGY SCOPE AND SEQUENCE**

B = Beginning
D = Developing
S = Secure

STANDARD 8.1 ALL STUDENTS WILL USE DIGITAL TOOLS TO ACCESS, MANAGE, EVALUATE, AND SYNTHESIZE INFORMATION TO SOLVE PROBLEMS INDIVIDUALLY AND COLLABORATIVELY, AND TO CREATE AND COMMUNICATE KNOWLEDGE.

STRAND A - Technology Operations and Concepts

CONTENT: The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.	K	1	2	3	4	5	6	7	8
8.1.P.A.1 Use the mouse to negotiate a simple menu on the screen (e.g., to print a picture).	B	D	D	D	S	S			
8.1.P.A.2 Use electronic devices (e.g., computer) to type name and to create stories with pictures and letters/words.	B	D	D	S					
8.1.P.A.3 Identify the “power keys” (e.g., ENTER, spacebar) on a keyboard.	B	D	D	S					
8.1.P.A.4 Recognize that the number keys are in a row on the top of the keyboard.	B	D	S						
8.1.P.A.5 Use basic technology terms in conversations (e.g., digital camera, battery, screen, computer, Internet, mouse, keyboards, and printer).	B	D	S						
8.1.P.A.6 Turn smart toys on and off.	B	D	S						
8.1.2.A.1 Identify the basic features of a computer and explain how to use them effectively.	B	D	S						
8.1.2.A.2 Use technology terms in daily practice.	B	D	D	S					
8.1.2.A.3 Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages.			B	D	D	D	D	D	D
8.1.2.A.4 Create a document with text using a word processing program.		B	D	D	S				
8.1.2.A.5 Demonstrate the ability to navigate in virtual environments that are developmentally appropriate .	B	D	D	S					

CONTENT: The use of technology and digital tools requires knowledge and appropriate use of operations and related applications.	K	1	2	3	4	5	6	7	8
8.1.4.A.1 Demonstrate effective input of text and data using an input device.	B	D	D	S					
8.1.4.A.2 Create a document with text formatting and graphics using a word processing program.			B	D	D				
8.1.4.A.3 Create and present a multimedia presentation that includes graphics.		B	D	D	D				
8.1.4.A.4 Create a simple spreadsheet, enter data, and interpret the information.			B	D	D				
8.1.4.A.5 Determine the benefits of a wide range of digital tools by using them to solve problems.				B	D				
8.1.8.A.1 Create a professional document (e.g., a newsletter, a personalized learning plan, a business letter or flyer) using advanced features of a word processing program.						D	D	S	
8.1.8.A.2 Plan and create a simple database, define fields, input data and produce a report using sort and query.								B	D
8.1.8.A.3 Create a multi-media presentation including sound and images.						D	S		
8.1.8.A.4 Generate a spreadsheet to calculate, graph and present information.						D	D	D	D
8.1.8.A.5 Select and use appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.						D	D	D	D

**GREENWICH TOWNSHIP SCHOOLS
WRITING SCOPE AND SEQUENCE**

Strand B – Creativity and Innovation

Content: The use of digital tools and media-rich resources enhances creativity and the construction of knowledge.	K	1	2	3	4	5	6	7	8
8.1.P.B.1 Use a digital camera to take a picture.	B	D	S						
8.1.2.B.2 Illustrate and communicate original ideas and stories using digital tools and media-rich resources .	B	D	D	S					
8.1.4.B.1 Produce a media-rich digital story about a significant local event or issue based on first-person interviews.					B				
8.1.8.B.1 Synthesize and publish information about a local or global event / issue on a web-based shared hosted service.									B

Strand C – Communication and Collaboration

Content: Digital tools and environments support the learning process and foster collaboration in solving local or global issues and problems.	K	1	2	3	4	5	6	7	8
8.1.P.C.1 Operate frequently used, high-quality, interactive games or activities in either screen or toy-based formats.	B	D	S						
8.1.P.C.2 Access materials on a disk, cassette tape, or DVD. Insert a disk, cassette tape, CD-Rom, DVD, or other storage device and press “play” and “stop.”	S								
8.1.2.C.1 Engage in a variety of developmentally appropriate learning activities with students from other classes, schools or countries using electronic tools.			B	D	D				
8.1.4.C.1 Participate in an online learning community with learners from other countries to understand their perspectives on a global problem or issue, and propose possible solutions.					B				
8.1.8.C.1 Develop an innovative solution to a complex, local or global problem or issue in collaboration with peers and experts, and present ideas for feedback in an online community.									B

Strand D – Digital Citizenship

Content: Technological advancements create societal concerns regarding the practice of safe, legal and ethical behaviors.	K	1	2	3	4	5	6	7	8
8.1.2.D.1 Model legal and ethical behaviors when using digital and print information by citing resources.			B	D	D	D	D	D	D
8.1.4.D.1 Explain the need for each individual, as a member of the global community, to practice cyber safety, cyber security, and cyber ethics when using existing and emerging technologies.				B	D				
8.1.4.D.2 Analyze the need for and use of copyrights.					B	D	D	S	
8.1.4.D.3 Explain the purpose of an Acceptable Use Policy (AUP) and the consequences of inappropriate use of technology.					B	D	D	S	
8.1.8.D.1 Model appropriate online behaviors related to cyber safety, cyber bullying, cyber security, and cyber ethics.						D	D	D	D
8.1.8.D.2 Summarize the application of fair use and Creative Commons guidelines.								B	D
8.1.8.D.3 Demonstrate how information on a controversial issue may be biased.								B	D

Strand E – Research and Information Fluency

Content: Effective use of digital tools assists in gathering and managing information.	K	1	2	3	4	5	6	7	8
8.1.P.E.1 Use the Internet to explore and investigate questions with a teacher’s support.		B	D	D	D	D	D	S	
8.1.2.E.1 Research a problem / issue affecting children using digital tools and resources and discuss possible solutions.			B	D	D				
8.1.4.E.1 Investigate a problem or issue found in the United States and/or another country from multiple perspectives, evaluate findings, and present possible solutions, using digital tools and online resources for all steps.					B			D	D
8.1.4.E.2 Evaluate the accuracy of, relevance to, and appropriateness of using print and non-print electronic information sources to complete a variety of tasks.					B	D	D	D	D
8.1.8.E.1 Gather and analyze findings using data collection technology to produce a possible solution for a content-related or real-world problem.									B

Strand F – Critical Thinking, Problem Solving, and Decision Making

Content: Information accessed through the use of digital tools assists in generating solutions and making decisions.	K	1	2	3	4	5	6	7	8
8.1.P.F.1 Navigate the basic functions of a browser, including how to open or close windows and use the “back” key.	B	D	S						
8.1.2.F.1 Use mapping tools to plan and choose alternate routes to and from various locations.	B	D	S						
8.1.4.F.1 Select and apply digital tools to collect, organize, and analyze data that support a scientific finding.			B						D
8.F.1 Use an electronic authoring tool in collaboration with learners from other countries to glean their perspectives about a current event or contemporary figure.							B	D	D