

GRADE EIGHT  
Information & Technology Literacy Benchmarks

CONTENT STANDARD: A. MEDIA AND TECHNOLOGY Students will select and use media and technology to access, organize, create, and communicate information for solving problems and constructing new knowledge, products, and systems.		SDR Content Benchmarks	Resources / Projects
<b>A.8.1 Use common media and technology terminology and equipment</b>			
<b>A.8.1c NETS 6</b>	Demonstrate touch keyboarding skills at acceptable speed and accuracy levels (suggested range 20-25 wpm)		Essay, paragraph, and short story writing, lab reports
<b>A.8.1e NETS 6</b>	Recognize and solve routine computer hardware and software problems		within any project, adapting school software with home or outside software
<b>A.8.1f</b>	Use basic content-specific tools (e.g., environmental probes, measurement sensors) to provide evidence/support in a class project		Environmental Science - use of digital microscope
<b>A.8.1g NETS 6</b>	Scan, crop, and save a graphic using a scanner, digital camera, or other digitizing equipment		Final Project (Mythology), Movie Maker/Photo Story project in Health and then in English short story unit
<b>A.8.1 h</b>	Use simple graphing calculator functions to solve a problem		Math
<b>A.8.1i NETS 6</b>	Capture, edit, and combine video segments using a multimedia computer with editing software or a video editing system		Public Service Announcements in Health
<b>A.8.2 Identify and use common media formats</b>			
<b>A.8.2a NETS 6</b>	Describe the operating and file management software of a computer (e.g., desktop, file, window, folder, directory, pull-down menu, dialog box)		Project General instruction
<b>A.8.2b NETS 3</b>	Identify the various organizational patterns used in different kinds of reference books	LA 8.A.3.b	Reference Unit -LA
<b>A.8.2c NETS 6</b>	Define the basic types of learning software (e.g., drill and practice, tutorial, simulation)		Math Physical Science (density, Charles' Law, electricity)
<b>A.8.2d NETS 3, 6</b>	Use electronic encyclopedias, almanacs, indexes, and catalogs to retrieve and select information	LA 8.A.3.b	Final Project (Mythology) Student Research Center Physical Science
<b>A.8.2g NETS 1, 6</b>	Use a graphics program to create or modify detail to an image or picture		Final Project (Mythology) Health (throughout)
<b>A.8.3 Use a computer and productivity software to organize and create information</b>			
<b>A.8.3e</b>	Use a graphical organizer program to construct outlines or webs that organize ideas and information	LA.8.B.4 b	Final Project (Mythology) Health projects Inspiration / Intel Thinking Tools
<b>A.8.3f NETS 6</b>	Compose a class report using advanced text formatting and layout styles (e.g., single and double spacing, different size and style of fonts, indents, headers and footers, pagination, table of contents, bibliography)	LA.8.B.1	Assessment in English (Essays)

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<b>A.8.3g</b> <b>NETS 3, 4</b>	Classify collected data and construct a simple database by defining fields, entering and sorting data, and producing a report	M.8.E.1 M.8.E.2	Math and / or Science Excel
<b>A.8.4 Use a computer and communications software to access and transmit information</b>			
<b>A.8.4b</b> <b>NETS 2, 6</b>	Send an e-mail message with an attachment to several persons simultaneously	LA.8.B.1	Gaggle <a href="#">Brainpop</a> : Email and IM
<b>A.8.4e</b> <b>NETS 3</b>	Use basic search engines and directories to locate resources on a specific topic	LA.8.A.3 a	Final Project (Mythology) Language Arts <a href="#">CyberSmart: Evaluating High Quality Sites</a> <a href="#">CyberSmart: How to Cite a Site</a>
<b>A.8.4f</b> <b>NETS 6</b>	Demonstrate efficient Internet navigation		Language Arts
<b>A.8.4g</b> <b>NETS 6</b>	Organize World Wide Web bookmarks by subject or topic		All Subjects
<b>A.8.5 Use media and technology to create and present information</b>			
<b>A.8.5a</b> <b>NETS 1, 6</b>	Use draw, paint, or graphics software to create visuals that will enhance a class project or report		Health and or SS Final Project (Mythology)
<b>A.8.5b</b> <b>NETS 1</b>	Design and produce a multimedia program		Final Project (Mythology) Physical Science Health
<b>A.8.5c</b> <b>NETS 1, 2</b>	Plan and deliver a presentation using media and technology appropriate to topic, audience, purpose, or content		Final Project (Mythology) Health English (Bullying)
<b>A.8.6 Evaluate the use of media and technology in a production or presentation</b>			
<b>A.8.6a</b> <b>NETS 1, 3</b>	Determine the purpose of a specific production or presentation		Health & Physical Science English (Bullying)
<b>A.8.6b</b> <b>NETS 1, 3</b>	Describe the effectiveness of the media and technology used in a production or presentation		Physical Science English (Bullying)
<b>A.8.6c</b> <b>NETS 1, 3</b>	Identify criteria for judging the technical quality of a production or presentation		Health (own projects) Physical Science English (Bullying)
<b>A.8.6d</b> <b>NETS 1, 3</b>	Judge how well the production or presentation meets identified criteria		Physical Science
<b>A.8.6e</b> <b>NETS 1, 3</b>	Recommend ways to improve future productions or presentations		Physical Science English (Bullying)

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CONTENT STANDARD: B. INFORMATION AND INQUIRY Students will access, evaluate, and apply information efficiently and effectively from a variety of sources in print, non-print, and electronic formats to meet personal and academic needs.		SDR Content Benchmarks	Resources / Projects
<b>B.8.1 Define the need for information</b>			
<b>B.8.1a</b> NETS 3, 4	Identify the information problem or question to be resolved		LA – Information Literacy Unit
<b>B.8.1b</b> NETS 1, 3, 4	Relate what is already known to the information need	LA.8.A.3 f	LA – Information Literacy Unit
<b>B.8.1c</b> NETS 3, 4	Formulate general and specific research questions using a variety of questioning skills		LA – Information Literacy Unit
<b>B.8.1d</b> NETS 3, 4	Revise and narrow the information questions to focus on the information need		LA – Information Literacy Unit
<b>B.8.2 Develop information seeking strategies</b>			
<b>B.8.2a</b> NETS 3, 4	Identify relevant sources of information including print, nonprint, electronic, human, and community resources	LA.8.A.3 a LA.8.A.3 b	Health – Community Resources <a href="#">BrainPOP: Online Sources</a>
<b>B.8.2b</b> NETS 3, 4	Evaluate possible sources of information based on criteria of timeliness, genre, point of view, bias, and authority		LA – Information Literacy Unit <a href="#">BrainPOP: Internet Searching</a> <a href="#">CyberSmart: Making Search Decisions</a>
<b>B.8.2c</b> NETS 3, 4	Select multiple sources that reflect differing or supporting points of view	LA.8.A.3 d	Health/ LA/ SS/ Science <a href="#">CyberSmart: Identifying High-Quality Sites</a>
<b>B.8.2d</b> NETS 3	Identify and select keywords and phrases for each source, recognizing that different sources use different terminology for similar concepts		LA – Information Literacy Unit <a href="#">BrainPOP</a> Internet Searching <a href="#">CyberSmart: How to Cite a Site</a> <a href="#">CyberSmart: Smart Keyword Searching</a>
<b>B.8.2e</b> NETS 3, 4	Organize ideas, concepts, and phrases using webbing, outlines, trees, or other visual or graphic tools	LA.8.B.4 b	Final Project (Mythology) Inspiration / Intel Thinking Tools
<b>B.8.2f</b> NETS 3	Focus search strategies on matching information needs with available resources	LA.8.A.3 b	LA – Information Literacy Unit Final Project (Mythology) LA - Reference Unit
<b>B.8.3 Locate and access information sources</b>			
<b>B.8.3a</b>	Identify the classification system used in the school library media center, and other local libraries		LMC Lesson
<b>B.8.3b</b> NETS 3, 6	Locate materials using the classification systems of the school library media center and the public library		LMC Lesson

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<b>B.8.3c</b> <b>NETS 3, 6</b>	Use an on-line catalog and other databases of print and electronic resources		LMC Lesson Student Research Center
<b>B.8.3d</b> <b>NETS 3</b>	Recognize differences in searching bibliographic records, abstracts, or full text databases		LMC Lesson Student Research Center <a href="#">CyberSmart: Making Search Decisions</a>
<b>B.8.3e</b> <b>NETS 3</b>	Search for information by subject, author, title, and keyword		LMC Lesson LA – Information Literacy Unit Student Research Center <a href="#">CyberSmart: Smart Keyword Searching</a>
<b>B.8.3f</b> <b>NETS 3, 6</b>	Use boolean operators with guidance to narrow or broaden searches		LMC Lesson LA – Information Literacy Unit
<b>B.8.3g</b> <b>NETS 3</b>	Use biographical dictionaries, thesauri, and other common reference tools in both print and electronic formats	LA.8.A.1c	LMC Lesson Online Reference Tools
<b>B.8.3h</b> <b>NETS 3, 6</b>	Use a search engine to locate appropriate internet or intranet resources		LA – Information Literacy Unit <a href="#">BrainPOP: Internet Search</a>
<b>B.8.4 Evaluate and select information from a variety of print, nonprint, and electronic formats</b>			
<b>B.8.4a</b> <b>NETS 3</b>	Examine selected resources for pertinent information using previewing techniques to scan for major concepts and keywords		LA – Reading Strategies
<b>B.8.4b</b> <b>NETS 3</b>	Differentiate between primary and secondary sources	LA.8.A.3 c	Health / SS
<b>B.8.4c</b>	Distinguish between fact and opinion; recognize point of view or bias	LA.8.A.3 i LA.8.A.3 d	LA / SS / Health
<b>B.8.4d</b> <b>NETS 3</b>	Determine if information is timely, valid, accurate, comprehensive, and relevant		LA / SS / Health
<b>B.8.4</b> <b>NETS 4</b>	Analyze and evaluate information presented in charts, graphs, and tables	M.8.F.1	LA / SS / Health
<b>B.8.4f</b> <b>NETS 3</b>	Locate indicators of authority for all sources of information		LA – Information Literacy Unit Project
<b>B.8.4g</b> <b>NETS 3, 4, 5</b>	Select resources in formats appropriate to content and information need and compatible with their own learning style		LA / SS / Health
<b>B.8.5 Record and organize information</b>			
<b>B.8.5a</b> <b>NETS 3, 4</b>	Use note taking strategies including summarizing and paraphrasing	LA.8.A.3 e	Social Studies
<b>B.8.5b</b> <b>NETS 3, 4, 5</b>	Record concise notes in a prescribed manner, including bibliographic information	LA.8.A.3 e	Final Project (Mythology)
<b>B.8.5c</b> <b>NETS 3, 4</b>	Cite the source of specific quotations or visuals using footnotes, endnotes, or internal citation formats		Final Project (Mythology) <a href="#">MLA Citation Maker</a>

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<b>B.8.5d</b> <b>NETS 3, 4</b>	Organize and compare information using graphic organizers, storyboarding, and other relational techniques	LA.8.A.3 h LA.8.B.4 b	Intel Thinking Tools Final Project (Mythology)
<b>B.8.5e</b> <b>NETS 3, 4</b>	Organize information in a systematic manner appropriate to question, audience, and intended format of presentation		Final Project (Mythology)
<b>B.8.5f</b> <b>NETS 3, 4, 5</b>	Record sources of information in a standardized bibliographic format		Final Project (Mythology) <a href="#">MLA Citation Maker</a>
<b>B.8.6 Interpret and use information to solve the problem or answer the question</b>			
<b>B.8.6a</b> <b>NETS 1, 3</b>	Compare and integrate new information with prior knowledge	LA.8.A.3 f	Reading Connections, KWL Big 6
<b>B.8.6b</b> <b>NETS 3, 4</b>	Analyze information for relevance to the question		Persuasive Essay Big 6
<b>B.8.6c</b> <b>NETS 3, 4</b>	Analyze findings to determine need for additional information		Big 6 Persuasive Essay
<b>B.8.6d</b> <b>NETS 3, 4</b>	Gather and synthesize additional information as needed		Big 6 Persuasive Essay
<b>B.8.6e</b> <b>NETS 3, 4</b>	Draw conclusions to address the problem or question	LA.8.A.3 j	Big 6 Persuasive Essay
<b>B.8.7 Communicate the results of research and inquiry in an appropriate format</b>			
<b>B.8.7a</b> <b>NETS 1, 2</b>	Determine the audience and purpose for the product or presentation	LA.8.B.2.f	LA – Letters to Self
<b>B.8.7b</b> <b>NETS 1, 2</b>	Identify possible communication or production formats		Final Project (Mythology)
<b>B.8.7c</b> <b>NETS 1, 2</b>	Select a presentation format appropriate to the topic, audience, purpose, content, and technology available		Final Project (Mythology)
<b>B.8.7d</b> <b>NETS 1, 2</b>	Develop an original product or presentation which addresses the information problem or question		Final Project (Mythology)
<b>B.8.5 Evaluate the information product and process</b>			
<b>B.8.8a</b> <b>NETS 1, 4</b>	Identify the criteria to be used in judging both the product (or presentation) and the process		Final Project (Mythology)
<b>B.8.8b</b> <b>NETS 1, 3 4</b>	Determine how well research conclusions and product meet the original information need or question based on the identified criteria		Final Project (Mythology)
<b>B.8.8c</b> <b>NETS 1, 4</b>	Assess the process based on identified criteria		Final Project (Mythology)
<b>B.8.8d</b> <b>NETS 1, 4</b>	Summarize ways in which the process and product can be improved		Final Project (Mythology) Writing Portfolios

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CONTENT STANDARD: C. INDEPENDENT LEARNING Students will apply information and technology skills to issues of personal and academic interest by actively and independently seeking information; demonstrating critical and discriminating reading, listening, and viewing habits; and striving for personal excellence in learning and career pursuits.		SDR Content Benchmarks	Resources / Projects
<b><i>C.8.1 Pursue information related to various dimensions of personal well-being and academic success</i></b>			
<b>C.8.1a NETS 5</b>	Identify topics of interest and seek relevant information about them		Differentiated projects Search Reports
<b>C.8.1b NETS 3,4,5</b>	Identify information appropriate for decision-making and personal interest		Health Differentiated Projects
<b>C.8.1c NETS 3,4,5</b>	Recognize that accurate and complete information is basic to sound decisions in both personal and academic pursuits		LA - Persuasive Essays
<b><i>C.8.2 Appreciate and derive meaning from literature and other creative expressions of information</i></b>			
<b>C.8.2a NETS 2</b>	Recognize that reviews, evaluations, and guidance from teachers, library media specialists, and others assist in the selection of appropriate literature and creative expressions of information		Use of Destiny Quest
<b>C.8.2b NETS 5</b>	Identify and use personal criteria for choosing literature and other creative expressions of information		Self-selected book choice Reading Book Sharing Destiny Quest
<b>C.8.2c NETS 5</b>	Relate literature and creative expressions of information to personal experiences		Journal Writes in all curricular areas Presentations about smart shopping
<b>C.8.2d</b>	Relate literature and creative expressions of information to other literature or creative expressions of information		Reading Book Sharing Connections Book Blogs Destiny Quest
<b><i>C.8.3 Develop competence and selectivity in reading, listening, and viewing</i></b>			
<b>C.8.3a</b>	Choose materials at appropriate developmental levels		Differentiated projects in all curricular areas NetTrekker
<b>C.8.3b NETS 5</b>	Identify and select materials that reflect diverse perspectives	LA.8.A.2.n	Holocaust Bookcart Self Selected Novel/Short story/Myth units
<b>C.8.3c</b>	Identify characteristics of common literary forms	LA.8.A.2.j	LA/Short Story and Self-selected Novel units
<b>C.8.3d NETS 1</b>	Recognize how words, images, sounds, and illustrations can be constructed to convey specific messages, viewpoints, and values	LA.8.A.2.p LA.8.A.2.q	Health – Advertisements <a href="#">Wordle</a> Commercials in Teen Finance

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<b>C.8.4 Demonstrate self-motivation and increasing responsibility for their learning</b>			
<b>C.8.4a</b> <b>NETS 2</b>	Participate in decisions about group and classroom projects and learning objectives		Roles in group technology projects
<b>C.8.4b</b> <b>NETS 5</b>	Identify and select topics of personal interest to expand classroom learning projects		Current Events Journaling in all curricular areas Teen Finance
<b>C.8.4c</b> <b>NETS 1, 4</b>	Recommend criteria for judging success of learning projects		Student designed rubrics, self-evaluation
<b>C.8.4d</b> <b>NETS 1</b>	Establish goals and develop a plan for completing projects on time and within the scope of the assignment		Final Project (Mythology) Self-selected Novel/Short Story/ Myth units Website calendar Reading Logs
<b>C.8.4e</b> <b>NETS 5</b>	Evaluate progress and quality of personal learning		Portfolios Rubrics Self-evaluation
<b>C.8.4f</b> <b>NETS 5</b>	Establish personal goals in pursuit of individual interests, academic requirements, and career paths		Letter to Self Guidance Career Inventory Budgets in Teen Finance

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CONTENT STANDARD: D. THE LEARNING COMMUNITY Students will demonstrate the ability to work collaboratively in teams or groups, use information and technology in a responsible manner, respect intellectual property rights, and recognize the importance of intellectual freedom and access to information in a democratic society.		SDR Content Benchmarks	Resources / Projects
<b>D.8.1 Participate productively in workgroups or other collaborative learning environments</b>			
<b>D.8.1a</b> <b>NETS 2</b>	Collaborate with others to identify information needs and seek solutions		Intel Tools Health <a href="#">BrainPOP</a> : Blogs
<b>D.8.1b</b> <b>NETS 2</b>	Demonstrate acceptance to new ideas and strategies from workgroup members		Intel Tools Health Webquest
<b>D.8.1c</b> <b>NETS 2, 4</b>	Determine workgroup goals and equitable distribution of individual or subgroup responsibilities and tasks		Group Projects Webquests & Intel Tools
<b>D.8.1d</b> <b>NETS 2, 4</b>	Plan for the efficient use and allocation of time		Reading Logs---Self-selected reading units
<b>D.8.1e</b> <b>NETS 2, 4</b>	Complete workgroup projects on time		Presentation day
<b>D.8.1f</b> <b>NETS 2, 4</b>	Evaluate completed projects to determine how the workgroup could have functioned more efficiently and productively		Group Evaluation
<b>D.8.2 Use information, media, and technology in a responsible manner</b>			
<b>D.8.2a</b> <b>NETS 5</b>	Return all borrowed materials on time		
<b>D.8.2b</b> <b>NETS 5, 6</b>	Describe and explain the school policy on technology and network use, media borrowing, and internet access		Review of Handbook LA – Information Literacy
<b>D.8.2c</b> <b>NETS 5</b>	Demonstrate responsible use of the internet and other electronic resources consistent with the school's acceptable use policy		Review of Handbook LA – Information Literacy
<b>D.8.2d</b> <b>NETS 5</b>	Recognize that using media and technology to defame or libel another person or group constitutes unacceptable behavior		NetSmartz “Keisha Video (Unacceptable behavior / Flaming / Cyber Stalking) TDrive <a href="#">NetSmartz “Terrible Text” Video</a> <a href="#">BrainPOP</a> : Cyberbullying & Online Safety
<b>D.8.2e</b> <b>NETS 5</b>	Identify and define the consequences of violations to the school's policies on media and technology use		Review of Handbook
<b>D.8.2f</b> <b>NETS 5</b>	Recognize the need for privacy and protection of personal information		<a href="#">BrainPOP</a> “Information Privacy” “ <a href="#">Profile Penalty</a> ” Video (Posting things online)

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<b>D.8.3 Respect intellectual property rights</b>			
<b>D.8.3a</b> <b>NETS 5, 6</b>	Define the purpose of copyright and copyright law		<a href="#">CyberSmart - Considering Copyright</a> <a href="#">BrainPOP: Copyright; Internet Search</a>
<b>D.8.3b</b> <b>NETS 3, 5</b>	Identify what kinds of works of authorship can be copyrighted		<a href="#">CyberSmart - Considering Copyright</a> <a href="#">BrainPOP: Copyright; Internet Search</a>
<b>D.8.3c</b> <b>NETS 3, 5</b>	Explain the concept of "fair use" as it pertains to the copyright law		<a href="#">CyberSmart - Considering Copyright</a>
<b>D.8.3d</b> <b>NETS 3, 5</b>	Recognize that the "fair use" provisions may differ depending on the media format		<a href="#">CyberSmart - Considering Copyright</a>
<b>D.8.3e</b> <b>NETS 3, 5</b>	Relate examples of copyright violations		<a href="#">CyberSmart - Considering Copyright</a>
<b>D.8.3f</b>  <b>NETS 3, 5</b>	Cite the source for words which are quoted verbatim and for pictures, graphics, and audio or video segments which are used in a product or presentation		<a href="#">CyberSmart - Considering Copyright</a> Mythology <a href="#">CyberSmart – How to Cite a Site</a> Media projects---all curricular areas <a href="#">MLA Citation Maker</a> <a href="#">BrainPOP: Citing Sources</a>
<b>D.8.3g</b> <b>NETS 5</b>	Explain and differentiate the purposes of a patent, trademark, and logo		<a href="#">CyberSmart - Considering Copyright</a> SciFi Inventions
<b>D.8.4 Recognize the importance of intellectual freedom and access to information in a democratic society</b>			
<b>D.8.4a</b> <b>NETS 1, 5</b>	Explain the concept of intellectual freedom		SS and English
<b>D.8.4b</b> <b>NETS 5</b>	Identify examples and explain the implications of censorship in the united states and in other countries		SS – Roman Empire
<b>D.8.4c</b> <b>NETS 5</b>	Explain the importance of the principle of equitable access to information		SS – Roman Empire
<b>D.8.4d</b> <b>NETS 5</b>	Compare and contrast freedom of the press in different situations and geographic areas		SS – Roman Empire
<b>D.8.4e</b> <b>NETS 5</b>	Recognize that the free-flow of information contributes to an informed citizenry resulting in sound decisions for the common good		SS