

GRADE ONE  
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	ITL Learning Activity	Resources & Suggestions
The student will:				
<b>A.1.1: Use common media and technology terminology and equipment.</b>				
A.1.1a <b>NETS 6</b>	Identify and define basic computer terminology (e.g., software, hardware, cursor, startup/shutdown, storage medium, file, memory) <b>Disk, software, hardware, Start Menu, cursor, desktop</b>			Burton's Computer - <a href="http://www.growing.course.com/level_1/parts/index.html">http://www.growing.course.com/level_1/parts/index.html</a> Take pictures with digital camera Poster Smart Board
A.1.1b <b>NETS 6</b>	Identify and explain the functions of the components of a computer system (e.g., monitor, central processing unit, storage devices, keyboard, mouse, printer) <b>Monitor, keyboard, CD drive, printer, mouse, CD</b>	LA.1.E.1 SS. 1.C.1		Burton's Computer - <a href="http://www.growing.course.com/level_1/parts/index.html">http://www.growing.course.com/level_1/parts/index.html</a> Take pictures with digital camera Poster Smart Board
A.1.1c <b>NETS 6</b>	Demonstrate proper care and correct use of media and equipment <b>Hands off monitor screen, proper body posture; library checkout procedure</b>	LA.1.E.1	Activities 1-36	
A.1.1d <b>NETS 6</b>	Demonstrate the correct use of input devices <b>Mouse, keyboard, monitor, headphones</b>	LA.1.E.1		Keyboarding Individual Headphones
A.1.1e <b>NETS 6</b>	Develop touch keyboarding techniques using both hands. <b>On a keyboard, identify and use letter keys, number keys, and special keys. (Shift key, return/enter key, back space, space bar, and arrow keys)</b>	LA.1.E.1		Keyboarding (KidKeys) See Manual
A.1.1f <b>NETS 6</b>	Save and backup files on a computer hard drive, storage medium, or server. <b>Introduce saving by the end of the year.</b>			MS Word / Open Office Kidspiration
A.1.1g <b>NETS 6</b>	Demonstrate the use of still and video cameras and scanners. (input devices) <b>Insert CD into CD drives, keyboard placed in front of user, mouse used with dominant hand.</b>	LA.1.E.1		My First Amazing Dictionary
A.1.1h	Solve problems using the basic four arithmetic functions of a calculator when appropriate. <b>Solve problems using addition and subtraction of a calculator</b>	M.1.F.7 M.1 B.9		Calculator in the Smart Board Toolkit

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A.1.1i <b>NETS 6</b>	Operate basic audio and video equipment to listen to and view media programs. <b>TV, Play, Fast Forward, Rewind</b>		Activity 3,	Tough Stuff tape recorders, DVD, CD/cassette players, VCRs, listening centers
<b>A.1.2: Identify and use common media formats.</b>				
A.1.2a	Identify the wide variety of current media formats. <b>Audiocassettes, Books, CD, Software, Magazines &amp; Internet.</b>	LA.1.E.1	Activity 25	Flannel Board/Nursery Rhymes, listening center, class library
A.1.2b	Recognize the common organizational characteristics of print media. <b>Cover, title page, spine, and call number.</b>		Activities 1-36	
A.1.2c <b>NETS 6</b>	Differentiate among common types of computer software <b>Games, word processing, keyboarding</b>	LA.1.E.1		Website vs. software programs Microsoft Word / Open Office, Kid Keys
A.1.2d	Listen to and view common audio and video media			Audio Tapes DVD/ TV Learn 360
A.1.2e <b>NETS 3,6</b>	Access information using common electronic reference sources <b>Online Catalog (OPAC / Destiny)</b>		Activities 8,9-36	Destiny
A.1.2f <b>NETS 5</b>	Describe the purpose and use of a virus detection program.			<a href="#">Learn 360: Between the Lions Email Virus</a>
A.1.2g <b>NETS 6</b>	Demonstrate how to open & run a software program from a local storage device or network server. <b>(Kid Keys, Kidspiration, Microsoft Word) My First Incredible Amazing Dictionary (CD)</b>	LA.1.E.1 LA.1.B.1		Network Software & LMC Collection
A.1.2h <b>NETS 6</b>	Create, save, move, copy, retrieve, and delete electronic files. <b>Create &amp; Save</b>	LA.1.B.1		MSWord / Open Office Kidspiration Excel
A.1.2i <b>NETS 1,2,6</b>	Incorporate graphics, pictures, and sound into another document. <b>Clip Art</b>	LA.1.B.1 LA.1.E.1		ABC Books Writing Prompts Journals, Photo Story, MS Word, Kidspiration
<b>A.1.3: Use computer and productivity software to organize and create information.</b>				
A.1.1a <b>NETS 6</b>	Identify and define basic word processing terminology <b>Cursor, insert, open, save, file, window, clipart</b>	LA.1.E.1		ABC Books Writing Prompts, MS Word / Open Office
A.1.1b <b>NETS 1,2,6</b>	Produce a document using a word processing program.	LA.1.B.1 LA.1.E.1		ABC Books Writing Prompts Basic Sentences Wordle

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A.1.1h <b>NETS 6</b>	Identify a spreadsheet and explain basic spreadsheet terms (Column, row, active cell) <b>Column, row, cell</b>	M.1.A.1 M.1.B.6		Spreadsheet Smart Board Activity Patterns 100 chart Hidden pictures
<b>A.1.4: Use a computer and communications software to access and transmit information.</b>				
A.1.4c <b>NETS 6</b>	Log on and view information from pre-selected sites on the Internet.	LA.1.F.1	Activity 25	School Login SDR Web Enchanted Learning <a href="#">CyberSmart: Good Sites</a>
A.1.4d <b>NETS 6</b>	Use the functions of a web browser to navigate and save Internet sites <b>Pre-selected sites</b>	LA.1.F.1		SDR Web Grade Level Website
<b>A.1.5: Use media and technology to create and present information.</b>				
A.1.5a <b>NETS 1,6</b>	Use draw, paint or graphics software to create simple signs, posters, banners, charts and visuals. <b>Paint Program</b>	LA. 1 F.1		Create Nametags Kidspiration, Picaso collages, <a href="#">Kerpoof</a>
A.1.5b <b>NETS 1,2,6</b>	Plan a multimedia production using an outline or storyboard <b>(Large group / teacher led)</b>	LA.1.B.4		Lang. Experience (Teacher led PhotoStory/PowerPoint)
<b>A.1.6: Evaluate the use of media and technology in a production or presentation.</b>				
A.1.6a <b>NETS 6</b>	Identify the media and technology used in the presentation. <b>Computer system, Kidspiration, camera, VCR. and DVD players, overhead projectors, SmartBoards</b>			

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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	ITL Learning Activity	Resources & Suggestions
The student will:				
<b>B.1.1: Define the need for information</b>				
B.1.1a <b>NETS 3,4</b>	Identify the information problem or question to be resolved.	S.1.A.1 S.1.C.1	Activities 6 – 10, 12,13, 18,19,21	Super 3 KWL Web quests
B.1.1b <b>NETS 3,4</b>	Determine what is already known about the information problem or question.	S.1.A.1 S.1.C.1	Activities 6 – 10, 12,13,18, 19,21	Super 3 KWL Brainstorm using <a href="#">Wordle</a>
B.1.1c <b>NETS 3,4</b>	Formulate initial questions to define what additional information is needed.	S.1.A.1 S.1.C.1	Activities 6 – 10, 12,13	Super 3 Brainstorming in groups
<b>B.1.2: Develop information-seeking strategies.</b>				
B.1.2a <b>NETS 3,4</b>	Identify possible sources of information including print, non-print, and human resources. <b>Magazines, Newspapers</b>	LA.1.F.1 S.1.B.1 SS.1.B.1	Activity 5	KIND Kids Magazine Subscriptions
B.1.2b	Evaluate possible sources based on currency, genre and relevance to topic. <b>Fiction and Non-fiction.</b>	S.1.B.1	Activities 3-5, 6,9,10,18,19,2 1,25	Poetry (DDCS 811) Riddles (DDCS 818) Nursery Rhymes (DDCS 398.2) Reading A to Z Online Stories
B.1.2c <b>NETS 3,4</b>	Select more than one resource when appropriate.	LA.1.F.1 S.1.B.1	Activity 9, 10	Print Resources 1 <sup>st</sup> Grade Websites via SDR Technology Link
B.1.2e <b>NETS 1, 3,4</b>	Recognize different ways to organize ideas, concepts, and phrases.	S.1.C.4	Activity 6	Kidspiration Creating Lists Messages Journals Create a Table/Graph in Microsoft Word or Excel
<b>B.1.3: Locate and access information sources.</b>				
B.1.3a	Recognize that materials in the school library media center are organized in a systematic manner. <b>Alphabetical Order</b>		Activities 3 – 6,9,10,18,21	Destiny Quest

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B.1.3b	Locate materials using the classification system of the school library. <b>Locate designated fiction authors on shelves by author's last name.</b>	LA.1.F.1	Activities 3 – 6,9,10,18,21,25	Destiny Quest – Basic Search-Authors
B.1.3c	Identify and use printed or electronic catalogs to access material in the school library media center. <b>NETS 3,6 Visual OPAC and text OPAC (Destiny)</b>			Destiny Quest
B.1.3d	Search for information by keyword, author, title and topic or subject <b>NETS 3,6 Subject browsing through visual OPAC (Destiny)</b>	LA.1.F.1		Destiny Quest
B.1.3e	Use an encyclopedia, dictionary, almanac, and atlas in print <b>or</b> electronic formats. <b>NETS 3,6 "Picture" dictionary</b>	S.1.B.1 LA.1.E.1		My First Incredible Amazing Dictionary (CD) <a href="#">Little Explorers Dictionary on Enchanted Learning</a>
B.1.3f	Use the index or table of contents of a book, magazine, or reference set to locate specific information. <b>Table of Contents</b>	LA.1.F.1	Activity 8,9, 10,21,25	Biography (DDCS 921) Poetry (DDCS 811.008) <a href="#">Learn 360</a>
B.1.3g	Locate information from pre-selected Internet sites and web pages. <b>NETS 5,6</b>	LA.1.F.1 S.1.B.1	Activity 25	1 <sup>st</sup> Grade Websites via SDR Technology Link <a href="#">CyberSmart: A-B-C Good Searching</a> <a href="#">CyberSmart: Good Sites</a> <a href="#">Enchanted Learning</a>
<b>B.1.4: Evaluate and select information from a variety of print, non-print, and electronic formats.</b>				
B.1.4b	Differentiate between fiction and nonfiction resources.		Activities 6 12, 15, 16,18,25	Reading A to Z Online Stories
B.1.4e	Recognize that graphics and images can be used to convey a message <b>Graphs for content data</b> <b>NETS 2,3</b>	LA.1.A.5 LA.1.F.1 S.1.C.4 M.1.A.10	Activities 1-36	M&M graph Picture Books SMART Board Tool Kit – Graphic Organizers
B.1.4g	Choose resources appropriate to their interests, abilities, and information need. <b>NETS 3,6 Subject browsing through visual OPAC (Destiny)</b>		Activities 1-36	Destiny Quest
<b>B.1.5: Record and organize information</b>				
B.1.5a	Take notes or record information in their own words.	S.1.C.4		Messages, Lists Kidspiration <a href="#">Wordle</a> Digital Storytelling MS Word / Open Office
<b>B.1.6 Interpret and use information to solve a problem or answer a question.</b>				

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<p>B.1.6a <b>NETS 3, 4</b></p>	<p>Identify new information and integrate it with prior knowledge.</p>	<p>S.1.A.1</p>	<p>Activities 6,18,19,21,25</p>	<p>Super 3 KWL Words From The Story Favorite Words Illustrate and Write</p>
<p>B.1.6b <b>NETS 3, 4</b></p>	<p>Determine if information is relevant to the information question.</p>		<p>Activity 6</p>	<p>Super 3 Main Idea Picture or Word Story Web Retelling</p>

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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	ITL Learning Activity	Resources & Suggestions
The student will:				
<b>C.1.1: Pursue information related to various dimensions of personal well-being and academic success.</b>				
C.1.1a <b>NETS 3,5</b>	Identify topics of interest and seek relevant information about them.		Activity 5,8	Library Browse <a href="#">Enchanted Learning</a> <a href="#">Learn360</a> <a href="#">Net Trekker</a>
C.1.1b <b>NETS 3,4,5</b>	Recognize that information can be used to make decisions or satisfy personal interest. <b>Personal Interest</b>		Activity 5,8	Library Browse <a href="#">Enchanted Learning</a> <a href="#">Learn360</a> <a href="#">Net Trekker</a>
<b>C.1.2: Appreciate and derive meaning from literature and other creative expressions of information.</b>				
C.1.2a	Choose fiction and other literature of personal interest <b>Choose without assistance</b>		Activities 1-36	Classroom library
C.1.2b	Recognize award winning books reflect literary and artistic excellence <b>Caldecott</b>		Activities 18,19,20,21	
C.1.2c	Relate literature and other creative expressions of information to personal experiences.		Activities 10, 11, 14,25	
<b>C.1.3: Develop competence and selectivity in reading, listening, and viewing.</b>				
C.1.3a	Choose materials at appropriate developmental levels. <b>Independently</b>		Activities 1-36	Just right books, Good fit books
C.1.3b	Identify materials that reflect diverse perspectives. <b>Fairy Tales / Folktales</b>		Activity 5,18	Three Pigs/Wolf
C.1.3d <b>NETS 2,4</b>	Recognize that media can be constructed to convey specific messages, viewpoints, and values.		Activity 8	LA Unit 2 Oh Cats Create a poster

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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	ITL Learning Activity	Resources & Suggestions
The student will:				
<b>D.1.1 Participate productively in workgroups or other collaborative learning environments.</b>				
D.1.1a <b>NETS 2</b>	Share information and ideas with others	LA.1.C1 SS.1.B.3	Activities 1-36	Bookshares CSC class meetings Shared writings <a href="#">CyberSmart: Spread the News</a> <a href="#">CyberSmart: Cyberspace at School</a>
D.1.1b <b>NETS 2,5</b>	Respect the ideas of others.	LA.1.C1 SS.1.B.3 SS.1.E.3 SS.1.E.6	Activities 1-36	<a href="#">CyberSmart: Is this Yours?</a> CSC class meetings Shared writings <a href="#">CyberSmart: Spread the News</a> <a href="#">CyberSmart: Cyberspace at School</a>
D.1.1c <b>NETS 2,4</b>	Articulate workgroup goals and individual responsibilities within the group.	SS.1.B.3 SS.1.C.1 SS.1.E.6		Stations CSC class meetings
<b>D.1.2: Use information, media, and technology in a responsible manner.</b>				
D.1.2a	Return all borrowed materials on time.		Activities 1-36	Classroom check out system
D.1.2b <b>NETS 5,6</b>	Identify the school's rules on student use of the internet and other resources	SS.1.C.1 SS.1.C.2		
D.1.2d <b>NETS 2,5</b>	Employ proper etiquette all forms of communication.	LA.1.C.1	Activities 1-36	<a href="#">CyberSmart: Go Places Safely</a> NetSmartzKids: Activity Card: Check First ( <a href="#">Know the Rules</a> Video) Activity Card: Take a Friend ( <a href="#">Know the Rules</a> Video) Activity card: The NetSmartz Chat Abbreviation 1 <a href="#">UYN Chat Abbreviation</a> Video ( S: Drive) CSC class meetings-rules

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				Writing / peer share Role Playing
D.1.2e <b>NETS 5</b>	Recognize that altering or destroying another person's program or file constitutes unacceptable behavior.			
D.1.2f <b>NETS 5</b>	Differentiate between copying and summarizing.			
<b>D.1.3: Respect intellectual property rights.</b>				
D.1.3a <b>NETS 5</b>	Explain the concept of Intellectual Property rights			Copyright symbol Daily News
D.1.3b <b>NETS 5</b>	Describe how copyright protects the right of an author or producer to control the distribution, performance, display, or copying of original works.			Explain what an original work is. © Writing- peer share of published work
<b>D.1.4: Recognize the importance of intellectual freedom and access to information in a democratic society.</b>				
D.1.4d <b>NETS 2,5</b>	Acknowledge the right of classmates to express opinions different from their own.	SS.1.B.3	Activities 1-36	CSC class meetings