

GRADE THREE
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 Benchmark	ITL Learning Activity	Resources & Suggestions
The student will:				
A.3.1: Use common media and technology terminology and equipment.				
A.3.1a NETS 4,6	Identify and define basic computer terminology (e.g., software, hardware, cursor, startup/shutdown, storage medium, file, memory,) Network (I Drive), My Documents, Email, Wireless)			<ul style="list-style-type: none"> • Gaggle • Poster • Carmen's Room http://www.growing.course.com/level_3/index.html
A.3.1b NETS 6	Identify and explain the functions of the components of a computer system (e.g., monitor, central processing unit, storage devices, keyboard, mouse, printer) Printer, USB			<ul style="list-style-type: none"> • Poster • real world pictures-create PowerPoint
A.3.1c NETS 6	Demonstrate proper care and correct use of media and equipment Printer, library checkout procedure, laptop care/procedures	SS.3.C.1	Activities 1-36	<ul style="list-style-type: none"> • Basic printer use & problem solving. • CyberSmart: Whose Property is This?
A.3.1d NETS 6	Demonstrate the correct use of input devices (e.g. mouse, keyboard) and the output devices (e.g., monitor, printer, speakers) USB Ports (Mice),headphones, microphones, cameras			
A.3.1e NETS 6	Develop touch keyboarding techniques using both hands Shift, tab, backspace/delete, home keys, finger placement, beginning compositions	LA.3.B.1 LA.3.E.1		<ul style="list-style-type: none"> • Typing Time • Apply with Word / Office, Kidspiration
A3.1f NETS 6	Save and backup files on a computer hard drive, storage medium, or server Save and open files from network account			<ul style="list-style-type: none"> • Assessment • Poster
A.3.1g NETS 6	Demonstrate the use of still and video cameras, video cameras and scanners. Scanners	LA.3.E.1		<ul style="list-style-type: none"> • favorite book recommendations
A.3.1h	Solve problems using the basic four arithmetic functions of a calculator when appropriate	M.3.B.5 M.3.F.7 M.3.F.6		<ul style="list-style-type: none"> • Assessment • show that there is a calculator on the computer

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A.3.2: Identify and use common media formats				
A.3.2b NETS 5	Recognize the common organizational characteristics of print media (e.g., title page, table of contents, copyright statement, index) Copyright symbol and meaning, Publishers	LA.3.F.1	Activities 1-36	<ul style="list-style-type: none"> • Poster of information you are allowed to use (ex. quantity of audio time)
A.3.2c NETS 1, 6	Differentiate among the common types of computer software (e.g., drawing programs, utilities, word processing, simulations) PowerPoint	LA.3.E.1		<ul style="list-style-type: none"> • Assessment
A.3.2d NETS 6	Listen to and view common audio and video media			<ul style="list-style-type: none"> • Teaching Books • Streaming Video (Learn360) • Storylineonline.net
A.3.2e NETS 3, 6	Access information using common electronic reference sources (e.g., indexes, almanacs, on-line catalogs, encyclopedias) OPAC OPAC(Destiny), Grolier for Kids		Activities 4,5,6,7	
A.3.2f NETS 5, 6	Describe the purpose and use of a virus detection program			<ul style="list-style-type: none"> • NetSmartz Activities- Rules: Meet the Wizzy Wigs Installed Activity • NetSmartz Activities- Rules: Which Wizzy Wig is Which? Installed Activity • NetSmartz Kids Games: Clicky's Comic Book • NetSmartz Kids UYN: Don't Open That File (Video & Activity Card)
A.3.2g NETS 6	Demonstrate how to open and run a software program from a local storage device or network server Typing Time, PowerPoint, Inspiration	LA.3.B.1		<ul style="list-style-type: none"> • Problem Solving
A.3.2h NETS 6	Create, save, move, copy, retrieve, and delete electronic files. Delete			<ul style="list-style-type: none"> • right-click
A.3.2i NETS 1, 6	Incorporate graphics, pictures, and sound into another document Pictures from a file.	LA.3.E.1		<ul style="list-style-type: none"> • Inspiration / Kidspiration • PowerPoint and Photo Story

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A.3.3: Use computer and productivity software to organize and create information.				
A.3.3a NETS 6	Identify and define basic word processing terminology (cursor, open, save, file, I-beam, window, document, cut, copy, paste) Cut, Copy, Paste			<ul style="list-style-type: none"> Word Processing (Word) toolbar
A.3.3c NETS 1,6	Edit a word-processed document using a spell checker program	LA.3.B.1 LA.3.B.5		<ul style="list-style-type: none"> Assessment
A.3.3d NETS 6	Demonstrate the text editing features of a word processing program (bold, italics, underline, double spacing, different size and style fonts) to produce a finished product Bold, Italic	LA.3.B.1		<ul style="list-style-type: none"> Toolbar
A.3.3e NETS 6	Explore special formatting features (e.g., borders, shading centering, justification) of a word processing program Borders			<ul style="list-style-type: none"> Word
A.3.3f NETS 6	Identify a database and define basic database terms (e.g., file, record, field) OPAC(Destiny), Teacher prepared database		Activity 4,5,6,7	<ul style="list-style-type: none"> Excel Templates, Destiny (OPAC)
A.3.3g NETS 3, 6	Use a prepared database template to enter and edit data and to locate records. Entering data in a prepared database (Excel)	S.3.A.3 S.3.C.4 S.3.C.5 M.3.E.1		<ul style="list-style-type: none"> Excel Templates
A.3.3h NETS 3,6	Identify a spreadsheet and explain basic terms (column, row, active cell) sort, charts	M.3.E.1		<ul style="list-style-type: none"> Excel Chart Wizard Excel Templates
A.3.3i	Use a prepared spreadsheet template to enter and edit data, and to produce and interpret a simple graph or chart Enter and edit data to produce a graph and interpret basic graphs and charts.	M.3.E.1 S.3.A.3 S.3.C.4 S.3.C.5		<ul style="list-style-type: none"> Excel Chart Wizard
A.3.4 Use a computer and communications software to access and transmit information				
A.3.4b NETS 2, 5, 6	Generate, send, retrieve, save, and organize electronic messages Collaborative Email	LA.3.B.1 LA.3.B.2 LA.3.E.1		<ul style="list-style-type: none"> Gaggle.net Other 3rd grades, Experts CyberSmart: The Power of Writing
A.3.4d NETS 3, 6	Use the functions of a web browser to navigate and save World Wide Web sites Bookmarks/Favorites			<ul style="list-style-type: none"> Retrieve from a teacher-saved favorite

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A.3.4e NETS 3, 6	Identify and use simple search engines and directories Construct a simple search strategy (two words, quotation marks)			<ul style="list-style-type: none"> • Searchasaurus • World Book / Grolier/ Britannica • Nettrekker
A.3.5: Use media and technology to create and present information.				
A.3.5a NETS 1, 4, 6	Use draw, paint, or graphics software to create simple signs, posters, banners, charts, visuals, etc. Excel	LA.3.F.1		<ul style="list-style-type: none"> • Publisher • Excel Chart
A.3.5b NETS 1, 4, 6	Plan a multimedia production using an outline or storyboard PowerPoint, Collaborative PhotoStory	LA.3.E.1		<ul style="list-style-type: none"> • StoryBoards • PowerPoint • PhotoStory
A.3.5c NETS 1, 4, 6	Create and present a short video or hypermedia program. PowerPoint, Collaborative PhotoStory	LA.3.C.1		<ul style="list-style-type: none"> • PowerPoint(create and present) • PhotoStory(create and show)
A.3.6 Evaluate the use of media and technology in a production or presentation.				
A.3.6c NETS 1, 3, 4	Identify simple criteria for judging the quality of a production or presentation			<ul style="list-style-type: none"> • Create Rubric or Checklist (Rubistar and student-created)
A.3.6d NETS 1, 3, 4	Judge how well a particular production meets the identified criteria			<ul style="list-style-type: none"> • Rubric or checklist • Discussion
A.3.6e NETS 1, 3, 4	Suggest ways to improve future productions or presentations			<ul style="list-style-type: none"> • Rubric or checklist • Discussion

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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 Benchmark	ITL Learning Activity	Resources & Suggestions
The student will:				
B.3.1: Define the need for information				
B.3.1a NETS 3, 4	Identify the information problem or question to be resolved	S.3.A.1	Activity 4,5,6,7	<ul style="list-style-type: none"> • Super 3
B.3.1b NETS 1, 3, 4	Determine what is already known about the information problem or question	S.3.A.2		<ul style="list-style-type: none"> • Super 3 • Kidspiration/Inspiration
B.3.1c NETS 3, 4	Formulate initial questions to define what additional information is needed	S.3.A.1		<ul style="list-style-type: none"> • Super 3
B.3.1d NETS 3, 4	Determine a specific focus for the information search questions Keywords		Activity 4,5, 6	
B.3.2: Develop information-seeking strategies.				
B.3.2a NETS 3, 4	Identify possible sources of information including print, non-print, electronic, and human resources Magazines, Newspapers, Encyclopedia, Telephone books	LA.3.F.1 SS.3.B.1	Activity 5,6,7	<ul style="list-style-type: none"> • Searchasaurus • World Book / Grolier/ Britannica • Nettrekker • Learn 360 • SDR Elementary Library • CyberSmart: Ask a Librarian
B.3.2b NETS 3	Evaluate possible sources based on currency, genre, and relevance to topic Genre, Currency	SS.3.B.1	Activities 3,9,12,18	
B.3.2c NETS 3	Select more than one resource when appropriate Print and electronic (Assessment)	LA.3.F.1		
B.3.2d NETS 3	Identify keywords and phrases for each information source Natural Language		Activity 6	<ul style="list-style-type: none"> • Ask Jeeves • Nettrekker
B.3.2e NETS 1, 3, 4	Recognize different ways to organize ideas, concepts, and phrases	LA.3.A.3	Activity 19	<ul style="list-style-type: none"> • Graphic Organizers • Inspiration • Kidspiration

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B.3.2f NETS 3, 4	List steps to follow in carrying out the information search		Activities 4,5, 6-12	<ul style="list-style-type: none"> • Super 3 • Introduce Big 6
B.3.3: Locate and access information sources.				
B.3.3a	Recognize that materials in the school library media center are organized in a systematic manner Dewey Decimal Classification System (DDCS)		Activity 2-36	<ul style="list-style-type: none"> • Destiny
B.3.3b	Locate materials using the classification system of the school library media center DDCS	LA.3.F.1	Activity 2-36	
B.3.3c NETS 3, 6	Identify and use printed or electronic catalogs to access materials in the school library Text OPAC		Activities 4-36	<ul style="list-style-type: none"> • Destiny
B.3.3d NETS 3, 4	Search for information by keyword, author, title, and topic or subject Search OPAC using Subject, author & title	LA.3.F.1	Activity 4,5,6	<ul style="list-style-type: none"> • Destiny • Searchasaurus • World Book / Grolier/ Britannica • SDR Elementary Library • CyberSmart: Using Keywords
B.3.3e NETS 3, 4	Use an encyclopedia, dictionary, almanac, and atlas in print or electronic formats Dictionary, Encyclopedia	LA.3.F.1	Activity 8,14	<ul style="list-style-type: none"> • Searchasaurus • World Book / Grolier/ Britannica • SDR Elementary Library
B.3.3f	Use the index or table of contents of a book, magazine, or reference set to locate specific information Guidewords			
B.3.3g NETS 3, 5,6	Locate information from preselected Internet sites and web pages	LA.3.F.1		<ul style="list-style-type: none"> • CyberSmart: Subject Category Searching • CyberSmart: Finding Good Sites • NetTrekker • SDR 3rd Grade
B.3.4: Evaluate and select information from a variety of print, non-print, and electronic formats.				
B.3.4a NETS 6	Preview selected resources using table of contents, index, and other simple scanning strategies Copyright, Edit using Find in browsing internet sites			<ul style="list-style-type: none"> • Use Ctrl +F shortcut on internet browsers

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B.3.4b	Differentiate between fiction and non-fiction resources <i>Fiction, Non-Fiction, Fairy Tales, Poetry, Fables</i>		Activity 4,5,6	<ul style="list-style-type: none"> Assessment
B.3.4c	Distinguish between fact and opinion			<ul style="list-style-type: none"> Assessment
B.3.4d NETS 3	Determine timeliness and validity of information sources <i>Timeliness (Copyright)</i>			<ul style="list-style-type: none"> CyberSmart: Things for Sale
B.3.4f NETS 3, 5	Identify the sponsoring organization or author for resources <i>Yahooligans, Searchasaurus, PBS</i>			<ul style="list-style-type: none"> CyberSmart: Things for Sale
B.3.5: Record and organize information				
B.3.5a NETS 3, 6	Take notes or record information in their own words <i>Kidspiration / Inspiration</i>	LA.3.F.1		
B.3.5b NETS 5	Record the sources of information as notes are taken. <i>Works Cited per MLA</i>			<ul style="list-style-type: none"> Works Cited Poster
B.3.5e NETS 3, 4, 6	Organize information using simple outlining techniques <i>Inspiration Outline</i>	LA.3.B.4 LA.3.F.1		<ul style="list-style-type: none"> Inspiration Kidspiration
B.3.5f NETS 3, 5	List basic bibliographic sources for information used <i>Works Cited per MLA</i>			<ul style="list-style-type: none"> Works Cited Poster MLA Elem. Citation Maker
B.3.6: Interpret and use information to solve a problem or answer a question				
B.3.6a NETS 1, 3, 4	Identify new information and integrate it with prior knowledge	LA.3.F.1	Activity 18	<ul style="list-style-type: none"> Into the Book
B.3.6b NETS 3, 4	Determine if information is relevant to the information question	S.3.C.2	Activity 4,5,6	<ul style="list-style-type: none"> Into the Book
B.3.7 Communicate the results of research and inquiry in an appropriate format				
B.3.7a NETS 1, 3, 4	Identify the audience for the product or presentation	LA.3.F.1		
B.3.7b NETS 1, 3, 4	Identify whether the purpose of the product or presentation is to inform, entertain, or persuade.	LA.3.F.1		
B.3.7c NETS 1, 3, 4	Recognize the three common types of products and presentations (written, oral, visual)		Activity 3	
B.3.7e NETS 1,2, 3, 4	Develop a product or presentation to communicate the results of the research <i>PowerPoint, Collaborative PhotoStory</i>	LA.3.B.4 LA.3.F.1	Activity 16,17	<ul style="list-style-type: none"> PowerPoint Photostory

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B.3.8 Evaluate the information product and process				
B.3.8a NETS 1, 4	Review the criteria to be used in judging both the product (or presentation) and the process Teacher created rubric and/ or checklist			<ul style="list-style-type: none"> • RubiStar • PBL Checklist • Intel Assessing Projects
B.3.8b NETS 1, 4	Determine how well the product or presentation meets the original information need based on the criteria Discussion of the rubric			<ul style="list-style-type: none"> • RubiStar • PBL Checklist • Intel Assessing Projects
B.3.8c NETS 1, 4	Review the process based on established criteria Teacher led discussion on the process			<ul style="list-style-type: none"> • Flow Chart on Inspiration/Kidspiration
B.3.8d NETS 1, 4	Suggest ways in which the process and product can be improved. Teacher led discussion			<ul style="list-style-type: none"> • Reflection of Checklists and Rubrics

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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 Benchmark	ITL Learning Activity	Resources & Suggestions
The student will:				
C.3.1 Pursue information related to various dimensions of personal well-being and academic success				
C.3.1a	Identify topics of interest and seek relevant information about them Reading Buddies (identify Reading Buddies' interest)		Activities 1-36	<ul style="list-style-type: none"> choosing "just-right" books in classroom & Library
C.3.1b	Recognize that information can be used to make decisions or satisfy personal interest NETS 4 Making Informed Decisions			<ul style="list-style-type: none"> How to Choose a Pet? Choosing research topic
C.3.1c	Recognize that accurate information is basic to sound decisions NETS 3, 4		Activity 15	
C.3.2: Appreciate and derive meaning from literature and other creative expressions of information.				
C.3.2b	Recognize that award winning books reflect literary and artistic excellence	LA		<ul style="list-style-type: none"> Share Caldecott winning books
C.3.2c	Relate literature and other creative expressions of information to personal experiences.	LA	Activity 4,5	<ul style="list-style-type: none"> Text to self connections
C.3.2d	Compare their own interpretations of literature and other creative expressions of information with those of others Introducing Book Talks	SS.3.B.2	Activity 3	<ul style="list-style-type: none"> Teaching Books Literature Circle Share time during writing block
C.3.3: Develop competence and selectivity in reading, listening, and viewing.				
C.3.3a	Choose materials at appropriate developmental levels Independently		Activities 1-36	<ul style="list-style-type: none"> Choosing "just-right" books in class and at library
C.3.3b	Identify materials that reflect diverse perspectives Folktales	SS.3.B.2	Activity 3	
C.3.3c	Differentiate among written, oral, and visual forms of literature Plays	LA		<ul style="list-style-type: none"> Reader's Theatre

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C.3.3d NETS 1, 4	Recognize that media can be constructed to convey specific messages, viewpoints, and values	SS.3.B.1 S.3. Unit D	Activities 1-36	<ul style="list-style-type: none"> • Writing Advertisements • KindNews
C.4.4 Demonstrate self-motivation and increasing responsibility for their learning				
C.3.4a	Contribute to group or classroom decisions about learning objectives Contribute to small group discussions		Activities 1-36	
C.3.4b	Identify topics suitable for independent learning or in-depth exploration Teacher suggested topics			<ul style="list-style-type: none"> • Non-Fiction Research
C.3.4.c NETS 1, 4	Apply prescribed criteria for judging success of learning projects Rubrics and/or checklists			<ul style="list-style-type: none"> • RubiStar • PBL Checklist • Intel Assessing Projects
C.3.4e NETS 1, 4	Assess progress and quality of work Using Rubrics and/or checklists			<ul style="list-style-type: none"> • RubiStar • PBL Checklist • Intel Assessing Projects

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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 Benchmark	ITL Learning Activity	Resources & Suggestions
The student will:				
D.3.1 Participate productively in workgroups or other collaborative learning environments				
D.3.1c NETS 2	Articulate workgroup goals and individual responsibilities within the group Teacher assigned responsibilities			<ul style="list-style-type: none"> Collaborative work/groups
D.3.1e NETS 2	Recognize that individual achievement is linked to the successful completion of workgroup projects Workgroup Rubric			<ul style="list-style-type: none"> RubiStar PBL Checklist Intel Assessing Projects
D.3.1f NETS 2	Complete workgroup projects to meet an established timeline			
D.3.1g NETS 2	Review workgroup projects and suggest improvements			<ul style="list-style-type: none"> Peer discussions/reflections
D.3.2: Use information, media, and technology in a responsible manner.				
D.3.2a NETS 5	Return all borrowed materials on time		Activity 1-36	
D.3.2b NETS 5, 6	Identify the school's rules on student use of the internet and other resources	SS.3.C.1		<ul style="list-style-type: none"> NetSmartzKids: Tell People No (Know the Rules) (video & activity cards) NetSmartzKids: Take a Friend (Know the Rules) (video & activity cards) NetSmartzKids: Tell a Trusted Adult (Know the Rules) (Video & activity card) CyberSmart: What's Private? CyberSmart: Filling out a Form: Ask First

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<p>D.3.2c NETS 5</p>	<p>Demonstrate use of the internet and other on-line sources consistent with the school's acceptable use policy</p>	<p>SS.3.C.1</p>		<ul style="list-style-type: none"> • NetSmartzKids: Check First (Know the Rules) (video & activity cards) • NetSmartzKids: Tell People No (Know the Rules) (video & activity cards) • NetSmartzKids: Take a Friend (Know the Rules) (video & activity cards) • NetSmartzKids: Tell a Trusted Adult (Know the Rules) (video & activity cards) • CyberSmart: What's Private? • CyberSmart: Filling out a Form: Ask First
<p>D.3.2d NETS 2, 5</p>	<p>Employ proper etiquette in all forms of communication Internet, Group Email</p>		<p>Activity 1-36</p>	<ul style="list-style-type: none"> • NetSmartzKids: Check First (Know the Rules) (video & activity cards) • CyberSmart: Everyone Wants Friends • CyberSmart: Is That Fair? • CyberSmart: Good Manners Everywhere
<p>D.3.2e NETS 5, 6</p>	<p>Recognize that altering or destroying another person's program or file constitutes unacceptable behavior Deleting other people's files</p>			<ul style="list-style-type: none"> • CyberSmart: Whose Property is This?
<p>D.3.2f NETS 5</p>	<p>Differentiate between copying and summarizing Plagiarism</p>			<ul style="list-style-type: none"> • CyberSmart: Whose Property is This? • NetSmartzKids: Clicky's Stolen Song: Digital Ethics (Video) • NetSmartzKids: Don't Steal Like a Pirate (Video) •

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D.3.2g NETS 5	Recognize that using media and technology to defame another person or group constitutes unacceptable behavior			<ul style="list-style-type: none"> • NetSmartzKids: Tell a Trusted Adult (Know the Rules) (video & activity cards) • CyberSmart: Everyone Wants Friends • CyberSmart: Is That Fair?
D.3.2h NETS 5	Recognize the need for privacy of personal information			<ul style="list-style-type: none"> • NetSmartz Activities- Rules: Meet the Wizzy Wigs Installed Activity • NetSmartz Activities- Rules: Which Wizzy Wig is Which?- Installed Activity • NetSmartz Activities: Who's Your Friend on the Internet? Installed Activity • NetSmartz Kids Games: Clicky's Comic Book • NetSmartzKids: The Boy Who Loved IM (video & activity cards) • NetSmartzKids: The Password Rap 1 (video & activity cards)
D.3.3: Respect intellectual property rights.				
D.3.3a NETS 5	Explain the concept of intellectual property rights			<ul style="list-style-type: none"> • CyberSmart: Whose Property is This?
D.3.3b NETS 5	Describe how copyright protects the right of an author or producer to control the distribution, performance, display, or copying of original works			<ul style="list-style-type: none"> • NetSmartzKids: Clicky's Stolen Song: Digital Ethics (Video) • NetSmartzKids: Don't Steal Like a Pirate (Video)
D.3.3c NETS 5	Recognize that the copying of commercial or licensed media is a violation of the copyright law.	SS.3.C.1		
D.3.3h NETS 3, 5	Recognize that reports or articles they write must be put in their own words			

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D.3.4 Recognize the importance of intellectual freedom and access to information in a democratic society				
D.3.4a NETS 5	Define the concept of intellectual freedom	SS.3.B.2		
D.3.4b NETS 5	Identify examples of censorship			
D.3.4c NETS 5	Recognize the importance of free and open access to information for all citizens	SS.3.B.2		
D.3.4d NETS 2, 5	Acknowledge the right of classmates to express opinions different from their own		Activities 1-36	