

## Standard 1: Inquire, think critically, and gain knowledge

Skills Indicators	Iowa Core Content Concepts/Skills	Grade Level Benchmarks	Assessments:
<p>1.1.1 Follow an inquiry-based process in seeking knowledge.</p>	<p>Utilize predetermined digital resources and tools to answer questions or solve problems.</p> <p>Plan strategies utilizing digital tools to gather, evaluate, and use information.</p> <p>Engage in the information literacy process: access, evaluate, and communicate information and ideas.</p>	<p><b>Grade 2-3:</b></p> <ul style="list-style-type: none"> <li>Form simple questions and begin to explore ways to answer them.</li> </ul> <p><b>Grade 4-8</b></p> <ul style="list-style-type: none"> <li>Form questions and find sources to locate answers</li> </ul> <p><b>Grades 9-12</b></p> <ul style="list-style-type: none"> <li>Independently follow an information inquiry process.</li> </ul>	<p>Assessments:</p> <ul style="list-style-type: none"> <li>Product</li> <li>Process</li> <li>Student Self-Questioning</li> </ul> <p><b>These projects cover skills indicators from throughout the four standards. <u>Assessment options are highlighted.</u></b></p> <p>Fiction/Non-fiction (grades K-1)</p> <ul style="list-style-type: none"> <li>Form questions</li> <li>Discuss indicators.</li> <li>Identify elements of fiction.</li> <li><b>Teacher observation</b></li> </ul> <p>Author/Illustrator (grades K-1)</p> <ul style="list-style-type: none"> <li>Listen to books.</li> <li>Analyze art work.</li> <li>Create similar art.</li> <li><b>Teacher observation</b></li> </ul> <p>Storytime (grades K-1)</p> <ul style="list-style-type: none"> <li>Listen to stories.</li> <li>Retell stories.</li> <li><b>Teacher observation</b></li> </ul> <p>Alphabet (grade 2)</p> <ul style="list-style-type: none"> <li>Use web sources</li> <li>Take photos.</li> <li><b>Create checklist.</b></li> </ul>
<p>1.1.2 Use prior and background knowledge as context for new learning.</p>		<p><b>Grade PK-2:</b></p> <ul style="list-style-type: none"> <li>Share what is known about a topic, problem or question.</li> </ul> <p><b>Grade 3-6:</b></p> <ul style="list-style-type: none"> <li>Connect ideas to own interests</li> <li>Identify one or two keywords about a topic, problem, or question.</li> </ul>	<p>Fact or Fiction (grade 2)</p> <ul style="list-style-type: none"> <li>Identify elements of each.</li> <li>Read and collect facts.</li> <li>Recognize elements of realistic fiction.</li> </ul>

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<p>1.1.3 Develop and refine a range of questions to frame the search for new understanding</p>	<p>Use technological resources to develop and refine questions for investigation.</p>	<p><b>Grade PK-2:</b></p> <ul style="list-style-type: none"> <li>Formulate questions related to listening activities.</li> <li>Ask "I wonder" questions about the topic, question or problem.</li> </ul> <p><b>Grade 3-5:</b></p> <ul style="list-style-type: none"> <li>Formulate questions about the topic with guidance.</li> </ul> <p><b>Grade 8-9:</b></p> <ul style="list-style-type: none"> <li>Write questions independently based on key ideas or areas of focus.</li> <li>Determine what information is needed to support the investigation and answer the questions.</li> </ul> <p><b>Grade 10-12:</b></p> <ul style="list-style-type: none"> <li>Develop a thesis statement and formulate questions based on the information need.</li> <li>Review the initial information need to clarify, revise, or refine the questions.</li> </ul>	<p>Analyze books.</p> <p>Animal Projects (grade 2)</p> <p>Info Charts</p> <p>Learning Log writing</p> <p>Written paragraph with drawing</p> <p>Snow Fun (Grade 3)</p> <p>Collect Information</p> <p>Multigenre Mapper</p> <p>Create rubric for assessment.</p> <p>Animal Projects (Grade 3)</p> <p>Info Charts</p> <p>Learning log</p> <p>Illustrated book</p> <p>State Projects (Grade 4)</p> <p>Use of different types of resources.</p> <ul style="list-style-type: none"> <li>Pretest/posttest</li> </ul> <p>Collect facts.</p>
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<p>1.1.4 Find, evaluate and select appropriate sources to answer questions</p>	<p>Use critical thinking skills to conduct research, solve problems, and make informed decisions using appropriate technological tools and resources.</p>	<p><b>Grade PK-2:</b></p> <ul style="list-style-type: none"> <li>• Understand the basic organizational structure of books.</li> <li>• Distinguish between fiction and nonfiction books.</li> <li>• Understand that the library has an organizational scheme.</li> <li>• Select and use appropriate sources, including picture dictionaries, beginning encyclopedia, magazines, maps and globes to answer questions.</li> </ul> <p><b>Grade 3-6:</b></p> <ul style="list-style-type: none"> <li>• Use multiple resources, including print, electronic, and human, to locate information.</li> </ul> <p><b>Grade 7-9</b></p> <ul style="list-style-type: none"> <li>• Evaluate sources based on criteria such as copyright date, authority of author or publisher, depth of coverage, and relevance to research questions.</li> </ul> <p><b>Grade 10-12:</b></p> <ul style="list-style-type: none"> <li>• Use various search systems to retrieve information in a variety of formats</li> <li>• Seek and use a variety of specialized resources available from libraries, the Internet, and the community.</li> </ul>	<p>Create pamphlets</p> <ul style="list-style-type: none"> <li>• Self-checklist.</li> </ul> <p>Fractured Fairytales (grade4) Use graphic organizer Writing process Will Create Rubric for eval</p> <p>Explorers Power Point (Grade 5) Locating resources. Taking notes Create story board Class discussion/exit pass</p> <ul style="list-style-type: none"> <li>• what did you learn</li> </ul> <p>Leaders Power Point (Grade 5) Know/Learn chart Learning log writing Country Research (grade 6) Create Rubric for eval</p> <p>Famous American (grade 6) Evaluating web sites.</p> <ul style="list-style-type: none"> <li>• Exit pass</li> </ul> <p>Locating resources. Gather information.</p>
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<p>1.1.5 Evaluate information found in selected sources on the basis of accuracy, validity, appropriateness for needs, importance, and social and cultural context.</p>		<p><b>Grade PK-2:</b></p> <ul style="list-style-type: none"> <li>Recognize and use facts that answer specific questions.</li> <li>Interpret information represented in pictures, illustrations and simple charts.</li> </ul> <p><b>Grade 3-5:</b></p> <ul style="list-style-type: none"> <li>Interpret information taken from maps, graphs, charts and other visuals.</li> <li>Distinguish between fact and opinion.</li> <li>Use the organizational structure of a book (e.g., table of contents, index, chapter headings) to locate information to answer questions.</li> </ul> <p><b>Grade 6-8:</b></p> <ul style="list-style-type: none"> <li>Evaluate and select information based on usefulness, currency, accuracy, authority, and point of view.</li> </ul> <p><b>Grade 9-12:</b></p> <ul style="list-style-type: none"> <li>Use consciously selected criteria to determine whether the information contradicts or verifies information from other sources.</li> <li>Recognize the social, cultural, or other context within which the information was created and explain the impact of context on interpreting the information.</li> </ul>	<p>Inventions (Grade 7) Written report</p> <p>Town History (Grade 8) Oral report</p> <p>Place to Visit (Grade 8) Written report</p> <p>All about me (Grade 8) Power point</p> <p>Victorian Research (HS Lit) Use print and online sources Oral presentation</p> <p>Mathematician Research (HS) Use print and online sources Create poster</p> <p>Disease Research (HS Science) Use print and online sources Create written report</p>
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<p>1.1.6 Read, view and listen for information presented in any format (e.g. textual, visual, media, digital) in order to make inferences and gather meaning</p>	<p>Students can comprehend what they read in a variety of literary and informational texts.</p>	<p><b>Grade PK-3:</b></p> <ul style="list-style-type: none"><li>• Write, draw or verbalize the main idea and supporting details.</li><li>• Use simple note-taking strategies as demonstrated by T-L.</li></ul> <p><b>Grade 4-6:</b></p> <ul style="list-style-type: none"><li>• Paraphrase or summarize information.</li><li>• Draw conclusions based on facts and premises.</li></ul> <p><b>Grade 7-9:</b></p> <ul style="list-style-type: none"><li>• Evaluate, paraphrase, and summarize information.</li></ul> <p><b>Grade 10-12:</b></p> <ul style="list-style-type: none"><li>• Categorize information; add new categories as necessary.</li><li>• Interpret information.</li><li>• Integrate new information with previous information or knowledge.</li></ul>	
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<p>I.1.7 Make sense of information gathered from diverse sources by identifying misconceptions, main and supporting ideas, conflicting information, and point of view or bias.</p>	<p>Use a variety of strategies to understand unfamiliar vocabulary found in narrative text, technical reading, and literary text.</p>	<p><b>Grade PK-2:</b></p> <ul style="list-style-type: none"><li>• Summarize or retell key points..</li></ul> <p><b>Grade 3-6:</b></p> <ul style="list-style-type: none"><li>• Recognize when facts from two different sources conflict and seek additional sources to verify accuracy.</li><li>• Recognize own misconceptions when new information conflicts with previously held opinions.</li></ul> <p><b>Grade 7-8:</b></p> <ul style="list-style-type: none"><li>• Seek a balanced point of view by using diverse sources.</li></ul> <p><b>Grade 9-12:</b></p> <ul style="list-style-type: none"><li>• Recognize degrees of bias and the effect on the information presented.</li><li>• Counter the effect of bias on the accuracy and reliability of information by actively pursuing a balanced perspective.</li></ul>
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<p>1.1.8 Demonstrate mastery of technology tools for accessing information and pursuing inquiry.</p>		<p><b>Grade 2-3:</b></p> <ul style="list-style-type: none"><li>• Use online encyclopedia and magazine databases with guidance.</li></ul> <p><b>Grade 4-6</b></p> <ul style="list-style-type: none"><li>• Recognize the purpose of the online catalog to locate materials.</li><li>• Search an online catalog to locate materials.</li><li>• Use selected Websites and periodical databases to find appropriate information</li><li>• Use software or online tools (e.g., word processing, wikis, graphic organizers) to record and organize information.</li></ul> <p><b>Grade 7-8:</b></p> <ul style="list-style-type: none"><li>• Incorporate technology resources such as online encyclopedias, online databases, and Web subject directories, to locate information.</li><li>• Implement key word search strategies.</li><li>• Select and use grade-level appropriate electronic reference materials and teacher-selected Internet sites to answer questions.</li><li>• Use a variety of search engines to do advanced searching.</li></ul> <p><b>Grade 9-12:</b></p> <ul style="list-style-type: none"><li>• Select the most appropriate technologies to access and retrieve the needed information.</li><li>• Use various technologies to organize and manage the information selected.</li></ul>	
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<p>1.1.9 Collaborate with others to broaden and deepen understanding.</p>	<p>Use a variety of technology tools and media-rich resources to work collaboratively with others.</p>	<p><b>Grade PK-2:</b></p> <ul style="list-style-type: none"><li>• Listen to others with respect.</li><li>• Share knowledge and ideas with others by discussing and listening.</li></ul> <p><b>Grade 4-6:</b></p> <ul style="list-style-type: none"><li>• Contribute to project teams in producing original works or solve problems.</li></ul> <p><b>Grade 8:</b></p> <ul style="list-style-type: none"><li>• Contribute to discussions and offer opinions in appropriate manner.</li></ul> <p><b>Grade 12:</b></p> <ul style="list-style-type: none"><li>• Design and implement projects that include participation from diverse groups.</li><li>• Seek ideas and opinions of others.</li></ul>	
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