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The Inquiry and Knowledge Building Process

The world of teaching and learning is overflowing with information about methodologies for teaching today's digital learners. INFOhio has taken a graphical approach to incorporating information literacy skills, national standards, instructional strategies and a variety of electronic resources through the Inquiry and Knowledge Building Process chart. The process begins with the INFOhio Dialogue Model for the 21st century, which introduces teachers and students to an inquiry-based research model.

The Inquiry and Knowledge Building Process chart highlights the relationships among the stages in DIALOGUE with the inquiry process and how students can use this model to build new knowledge. Feel free to start anywhere on the chart and explore. The left hand column depicts the DIALOGUE model. The second and third columns create the linkage to the Partnership for 21st Century Skills, Ohio Department of Education (ODE) Standards, Standards for the 21st Century Learner from the American Association of School Librarian (AASL) and the National Educational Technology Standards for Teachers from the International Society for Technology in Education (ISTE). The next column in the inquiry and knowledge building process chart is instructional strategies. Here you will find modules created by [INFOhio](#) in partnership with [Montgomery County Educational Service Center](#) that establish an explanation of the instructional strategy, demonstration of the strategy in action, and the INFOhio resources and other web-based resources that support the instructional strategy.

Take a moment right now and begin your own inquiry and knowledge building by exploring the many ways INFOhio's inquiry process model can build creativity, critical thinking, collaboration, communication, and information literacy skills. View this [Prezi presentation](#) demonstrating the DIALOGUE model.

INFOhio's DIALOGUE Model for the 21st Century Skills		21st Century Skills	Standards	Instructional Strategies
D	Discover/Develop an Overview Previewing, Examining prior knowledge, Brainstorming, Developing initial questions	Creativity & Innovation Critical Thinking & Problem Solving Information Literacy	ODE AASL ISTE	Module 1 -- Cues, Questions and Advanced Organizers
	Investigate Building basic understandings, Narrowing topic	Critical Thinking & Problem Solving Information Literacy	ODE AASL ISTE	
A	Analyze Applying critical thinking, Refining keywords, Questioning deeply, Problem solving, Examining concepts	Critical Thinking & Problem Solving Information Literacy	ODE AASL ISTE	Module 2 -- Summarizing & Note Taking
	Locate/Explore Identifying/locating sources, Exploring relationships	Critical Thinking & Problem Solving Collaboration	ODE AASL ISTE	
O	Organize/Apply Assessing, Classifying, Categorizing, Synthesizing, Examining, Comparing/Contrasting, Interpreting, Reasoning	Critical Thinking & Problem Solving Collaboration Information Literacy	ODE AASL ISTE	Module 3 -- Cooperative Learning
	Globalize Relating to bigger picture, Seeking global perspective, Considering impact	Collaboration Information Literacy	ODE AASL ISTE	
U	Understand/Reflect Developing understanding and deep comprehension, Constructing new knowledge, Creating, Reflecting, Communicating new understandings	Communication Collaboration Creativity & Innovation Information Literacy	ODE AASL ISTE	Module 4 -- Self-Assessment and Reflection
	Evaluate Evaluating results, Assessing learning process	Creativity & Innovation Communication Information Literacy	ODE AASL ISTE	

INFOhio's DIALOGUE Model for the 21st Century Skills		21st Century Skills	Standards	Instructional Strategies
D	<p>Discover/Develop an Overview</p> <p>Previewing, Examining prior knowledge, Brainstorming, Developing initial questions</p>	<p>Creativity & Innovation</p> <p>Critical Thinking & Problem Solving</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	<p>Module 1 -- Cues, Questions and Advanced Organizers</p>
I	<p>Investigate</p> <p>Building basic understandings, Narrowing topic</p>	<p>Critical Thinking & Problem Solving</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	
A	<p>Analyze</p> <p>Applying critical thinking, Refining keywords, Questioning deeply, Problem solving, Examining concepts</p>	<p>Critical Thinking & Problem Solving</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	<p>Module 2 -- Summarizing & Note Taking</p>
L	<p>Locate/Explore</p> <p>Identifying/locating sources, Exploring relationships</p>	<p>Critical Thinking & Problem Solving</p> <p>Collaboration</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	
O	<p>Organize/Apply</p> <p>Assessing, Classifying, Categorizing, Synthesizing, Examining, Comparing/Contrasting, Interpreting, Reasoning</p>	<p>Critical Thinking & Problem Solving</p> <p>Collaboration</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	<p>Module 3 -- Cooperative Learning</p>
G	<p>Globalize</p> <p>Relating to bigger picture, Seeking global perspective, Considering impact</p>	<p>Collaboration</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	
U	<p>Understand/Reflect</p> <p>Developing understanding and deep comprehension, Constructing new knowledge, Creating, Reflecting, Communicating new understandings</p>	<p>Communication</p> <p>Collaboration</p> <p>Creativity & Innovation</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	<p>Module 4 -- Self-Assessment and Reflection</p>
E	<p>Evaluate</p> <p>Evaluating results, Assessing learning process</p>	<p>Creativity & Innovation</p> <p>Communication</p> <p>Information Literacy</p>	<p>ODE</p> <p>AASL</p> <p>ISTE</p>	