

## Intel® Education Free Tools and Resources

Intel offers free, easily integrated tools and teaching resources to support collaborative student-centered learning. You will find teaching resources such as exemplary lesson plans, assessment strategies, and technology-enriched project ideas for all K–12 subject areas. Developed by educators, these free tools and resources support 21st century learning with project-based approaches in the classroom.

To browse the Intel® Education free resources for teachers, go to [www.intel.com/education/teachers](http://www.intel.com/education/teachers), which provides links to the resources described in the following table.

To learn more about what Intel does in education worldwide and to explore additional resources, go to [www.intel.com/education](http://www.intel.com/education).

Resource /Tool	Overview	Areas of Exploration	Account for Full Access
<a href="#">Visual Ranking</a>	<p>Students learn how to organize and prioritize lists by using analysis and evaluation skills. They identify and refine criteria as they assign ranking to a list. They explain their reasoning and compare their work with each other in a visual diagram.</p> <p>The tool supports activities in which students need to organize ideas, debate differences, and reach consensus.</p> <p><b>Note:</b> For additional directions on using <i>Visual Ranking</i>, open the <a href="#">Intel® Education Help Guide</a> and navigate to the <b>Intel Teaching Tools &gt; Visual Ranking</b> skills.</p>	<ul style="list-style-type: none"> <li>• <b>Overview and Benefits</b> Research about learning opportunities in making, ordering, and comparing lists</li> <li>• <b>Try the Tool</b> A tutorial and example project that outlines how to use the tool</li> <li>• <b>Project Examples</b> Unit plan and project ideas for K–12 classrooms</li> <li>• <b>Instructional Strategies</b> Suggestions for using the tool in classrooms</li> <li>• <b>Workspace</b> Teacher Workspace or Student Login</li> </ul>	Yes*
<a href="#">Seeing Reason</a>	<p>Students create visual maps of factors and relationships in a cause-and-effect investigation. The maps make thinking visible and promote collaboration as students work together to refine their understanding.</p> <p>The tool supports cycles of investigation where students gather what they know, organize that knowledge into a map, and</p>	<ul style="list-style-type: none"> <li>• <b>Overview and Benefits</b> Research outlines the benefits of "making thinking visible" for students</li> <li>• <b>Try the Tool</b> A tutorial and example project that outlines how to use the tool</li> <li>• <b>Project Examples</b> Unit plan and project ideas for K–12 classrooms</li> </ul>	Yes*

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	<p>then investigate whether their initial concepts are supported by evidence.</p> <p><b>Note:</b> For additional directions on using <i>Seeing Reason</i>, open the <i>Help Guide</i> and navigate to the <b>Intel Teaching Tools &gt; Seeing Reason</b> skills.</p>	<ul style="list-style-type: none"> <li>• <b>Instructional Strategies</b> Suggestions for using the tool in classrooms</li> <li>• <b>Workspace</b> Teacher Workspace or Student Login</li> </ul>	
<a href="#">Showing Evidence</a>	<p>Students learn how to construct well-reasoned arguments and prove a case with credible evidence. The tool provides a visual framework in which students make claims, identify evidence, evaluate the quality of evidence, explain how evidence supports or weakens a claim, and reach conclusions based on the evidence.</p> <p>The thinking tool supports activities where students debate differences, make and defend decisions, and analyze conflicting information.</p> <p><b>Note:</b> For additional directions on using <i>Showing Evidence</i>, open the <i>Help Guide</i> and navigate to the <b>Intel Teaching Tools &gt; Showing Evidence</b> skills.</p>	<ul style="list-style-type: none"> <li>• <b>Overview and Benefits</b> Research about learning opportunities in creating and defending well-researched arguments</li> <li>• <b>Try the Tool</b> A tutorial and example project that outlines how to use the tool</li> <li>• <b>Project Examples</b> Unit plan and project ideas for K–12 classrooms</li> <li>• <b>Instructional Strategies</b> Suggestions for using the tool in classrooms</li> <li>• <b>Workspace</b> Teacher Workspace or Student Login</li> </ul>	Yes*
<a href="#">Assessing Projects</a>	<p><i>Assessing Projects</i> helps teachers create assessments that address 21st century skills and provides strategies to make assessment an integral part of teaching.</p> <p><b>Note:</b> For additional directions on using <i>Assessing Projects</i>, open the <i>Help Guide</i> and navigate to the <b>Intel Teaching Tools &gt; Assessing Projects</b> skills.</p>	<ul style="list-style-type: none"> <li>• <b>Overview and Benefits</b> Research about the benefits of various kinds of assessments</li> <li>• <b>Try It</b> A tutorial and demo version</li> <li>• <b>Assessment Plans</b> Project ideas for K–12 classrooms</li> <li>• <b>Assessment Strategies</b> Guidelines for developing and using various types of assessment</li> <li>• <b>Workspace</b> Teacher Workspace</li> </ul>	Yes*
<a href="#">Designing</a>	<i>Designing Effective Projects</i>	<ul style="list-style-type: none"> <li>• <b>Project Design</b> Planning</li> </ul>	

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<a href="#">Effective Projects</a>	includes a collection of exemplary unit plans that integrate technology into classroom projects, align to standards, promote higher-order thinking, and engage students in authentic project tasks.	<p>guidelines to develop authentic projects that targets standards and include assessment of 21st century skills</p> <ul style="list-style-type: none"> <li>• <b>Thinking Skills</b> Research about higher-order thinking and what it looks like in classrooms</li> <li>• <b>Unit Plan Index</b> Technology-rich unit plans</li> <li>• <b>Instructional Strategies</b> Examples of various instructional strategies that help students achieve success and learn at higher levels</li> </ul>	
<a href="#">Help Guide</a>	Step-by-step instructions for hundreds of productivity tasks in user-friendly, nontechnical language. Visual images accompany each step to show how to complete a task.	<ul style="list-style-type: none"> <li>• <b>Versions</b> Launch and choose the online version of <i>Help Guide</i> that will work for you</li> <li>• <b>Tutorials</b> Explore the tutorials</li> </ul>	
<a href="#">It's a Wild Ride</a>	An interdisciplinary project that uses the design of a roller coaster to engage students in math, science, and language arts.	<ul style="list-style-type: none"> <li>• <b>Learning That Works</b> An overview of the lessons and activities in the five-week project</li> <li>• <b>Working Together</b> Collaboration and project management resources</li> <li>• <b>Assessment</b> Examples of the ongoing and embedded assessments used throughout the project</li> <li>• <b>Supporting Success</b> The evolution and challenges of the project</li> </ul>	
<a href="#">An Innovation Odyssey</a>	<p>Over 350 stories of technology-enriched projects from classrooms around the world.</p> <p><b>Note:</b> To share your story, go to the Inspiring Educators section in the <a href="#">Teachers Engage Community</a>.</p>	<ul style="list-style-type: none"> <li>• <b>Find Ideas</b> Project ideas organized by grade level, subject area, or type of technology used</li> <li>• <b>Choose Themes for Learning</b> The Odyssey collection organized by themes</li> </ul>	

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<a href="#">Technology Literacy Curriculum</a>	A curriculum that addresses the NETS-S standards for middle-school students to cultivate technology literacy and digital citizenship.	Technology Literacy is divided into three levels: <ul style="list-style-type: none"><li>• <b>Describe with Technology</b></li><li>• <b>Explain with Technology</b></li><li>• <b>Persuade with Technology</b></li></ul>	

\*Complete the online registration for *Visual Ranking*, *Seeing Reason*, *Showing Evidence*, *Assessing Projects*, or Teachers Engage Community, and use the same login ID and password to enter any of the other sites. **Note:** Additional profile information will be asked in the Teachers Engage Community.