

2009 New Jersey Core Curriculum Content Standards  
 Classroom Application Document – Technology  
 Educational Technology – Communication and Collaboration

<b>Standard 8.1 Educational Technology:</b> All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.		<b>By the end of Grade 2</b>
<b>Strand C: Communication and Collaboration</b>		
<b>Essential Questions</b>	<b>Enduring Understandings</b>	
How has the use of digital tools improved opportunities for communication and collaboration?	Digital tools allow for communication and collaboration anytime/anyplace worldwide.	
<b>Content and Cumulative Progress Indicators (CPIs)</b>	<b>Classroom Applications</b>	
<b>Content</b>	<b>Instructional Guidance</b>	
<p><a href="#">Digital tools</a> and environments support the learning process and foster collaboration in solving local or global issues and problems.</p>	<p><i>To assist in meeting this CPI, students may:</i></p> <ul style="list-style-type: none"> <li>• Compare information about plants, animals and non-living objects found in the schoolyard with other students from around the country and the world. Information about the Square of Life project can be found at: <a href="http://www.k12science.org/curriculum/squareproj/index.htm">http://www.k12science.org/curriculum/squareproj/index.htm</a>.</li> <li>• Participate in a project that combines artwork with the development of reading and writing skills. Information about Create A Monster project can be found at: <a href="http://www.monsterexchange.org/">http://www.monsterexchange.org/</a>.</li> <li>• Create and interpret graphs, use descriptive text, develop mapping skills and collaborate internationally using the Internet while tallying lost teeth. Information about The Tooth Tally Project can be found at: <a href="http://toothtally.com/default.htm">http://toothtally.com/default.htm</a>.</li> <li>• See Visual and Performing Arts Classroom Applications Documents for 1.1.2.C.3.</li> </ul>	
<b>CPI</b>	<b>Resources</b>	
<p><b>8.1.2.C.1</b> Engage in a variety of <a href="#">developmentally appropriate</a> learning activities with students in other classes, schools, or countries using electronic tools.</p>	<ul style="list-style-type: none"> <li>• Students and teachers can create free websites, participate in global projects or communicate with students from around the world using <a href="#">Thinkquest</a>.</li> <li>• The <a href="#">Center for Innovation in Engineering and Science Education</a> (CIESE) has designed interdisciplinary projects that utilize real time data for teachers and students worldwide.</li> <li>• <a href="#">Here Birdy, Birdy Project</a> is an example of a collaborative project in which students from five North American schools gathered data</li> </ul>	

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about birds over time and analyzed trends.

- [Global SchoolNet](#) is the Internet's oldest (1995) and largest clearinghouse for teacher-conducted global learning projects.
- A [list of teachers who teach at International Schools](#)

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<b>Strand C: Communication and Collaboration</b>		
<b>Essential Questions</b>	<b>Enduring Understandings</b>	
How has the use of digital tools improved opportunities for communication and collaboration?	Digital tools allow for communication and collaboration anytime/anyplace worldwide.	
<b>Content and Cumulative Progress Indicators (CPIs)</b>	<b>Classroom Applications</b>	
<p><b><u>Content</u></b></p> <p><a href="#">Digital tools</a> and environments support the learning process and foster collaboration in solving local or global issues and problems.</p> <p><b><u>CPI</u></b></p> <p><b>8.1.4.C.1</b> Engage in <a href="#">online discussions</a> with learners in the United States or from other countries to understand their perspectives on a global problem or issue.</p>	<p><b><u>Instructional Guidance</u></b> <i>To assist in meeting this CPI, students may:</i></p> <ul style="list-style-type: none"> <li>• See Social Studies Classroom Application Document for 6.3.4.A.4.</li> </ul> <p><b><u>Sample Assessments</u></b> <i>To show evidence of meeting this CPI, students may complete the following assessment:</i></p> <p>View the UN video: <a href="http://www.youtube.com/view_play_list?p=CB987F15ABB65F79">http://www.youtube.com/view_play_list?p=CB987F15ABB65F79</a>.</p> <p>If you were offered the ability to address world leaders, what would you wish to tell them? Discuss with students in the U.S. and other countries to find out their ideas and create a podcast that summarizes the varying points of view. Send your podcast to the Committee on Teaching about the UN (CTAUN) at: <a href="http://www.teachun.org/">http://www.teachun.org/</a>.</p> <p><b><u>Resources</u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">Epals</a> has developed collaborative projects about a variety of topics including global warming and the world’s water supply.</li> <li>• Students and teachers can create free websites, participate in global projects or communicate with students from around the world using <a href="#">Thinkquest</a>.</li> </ul>	

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Web-based conferencing tools:

- [Skype.com](http://Skype.com)
- [illuminate.com](http://illuminate.com) (v-room for 3 connects)
- [dindim.com](http://dindim.com)
- [openacircle.com](http://openacircle.com)
- [yugma.com](http://yugma.com)

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<b>Strand C: Communication and Collaboration</b>		
<b>Essential Questions</b>	<b>Enduring Understandings</b>	
How has the use of digital tools improved opportunities for communication and collaboration?	Digital tools allow for communication and collaboration anytime/anyplace worldwide.	
<b>Content and Cumulative Progress Indicators (CPIs)</b>	<b>Classroom Applications</b>	
<p><b><u>Content</u></b></p> <p><a href="#">Digital tools</a> and environments support the learning process and foster collaboration in solving local or global issues and problems.</p> <p><b><u>CPI</u></b></p> <p><b>8.1.8.C.1</b> Participate in an <a href="#">online learning community</a> with learners from other countries to understand their perspectives on a global problem or issue, and propose possible solutions.</p>	<p><b><u>Instructional Guidance</u></b> <i>To assist in meeting this CPI, students may:</i></p> <ul style="list-style-type: none"> <li>• See Visual and Performing Arts Classroom Application Document for 1.1.8.A.3.</li> <li>• See Social Studies Classroom Application Document for 6.3.8.A.3.</li> </ul> <p><b><u>Resources</u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">Classroom20</a> is an online community for educators who are interested in incorporating Web 2.0 and collaborative technologies in their classes. It is designed for teachers at different technology skill levels.</li> <li>• <a href="#">Connecting Across Classrooms</a> provides resources to create a 21<sup>st</sup> century classroom.</li> <li>• <a href="#">Epals</a> has developed collaborative projects about a variety of topics for students at different grade levels.</li> <li>• <a href="#">Flat Classrooms</a> is an online community for educators who are interested in incorporating Web 2.0 and collaborative technologies in their classes. Teachers can join projects or post their own ideas for projects in search for partners.</li> <li>• <a href="#">Global Collaborations</a> is an online community for educators who are interested in incorporating Web 2.0 and collaborative technologies in their classes. Projects are grouped by grade level.</li> <li>• <a href="http://globaleducation.ning.com/">http://globaleducation.ning.com/</a></li> <li>• <a href="http://www.globalschoolnet.org">www.globalschoolnet.org</a></li> <li>• A <a href="#">list of teachers who teach at International Schools</a></li> <li>• <a href="http://onlineproj4tchrs.ning.com/">http://onlineproj4tchrs.ning.com/</a></li> </ul>	

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- <http://teachersconnecting.com/?q=node/34>
- Students and teachers can create free websites, participate in global projects or communicate with students from around the world using [Thinkquest](#).

Web-based conferencing tools:

- [Skype.com](#)
- [illuminate.com](#) (v-room for 3 connects)
- [dimdim.com](#)
- [openacircle.com](#)
- [yugma.com](#)

Understanding video conferencing:

- <http://www.edutopia.org/youtube-educational-videos-classroom>

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<b>Strand C: Communication and Collaboration</b>		
<b>Essential Questions</b>	<b>Enduring Understandings</b>	
How has the use of digital tools improved opportunities for communication and collaboration?	Digital tools allow for communication and collaboration anytime/anyplace worldwide.	
<b>Content and Cumulative Progress Indicators (CPIs)</b>	<b>Classroom Applications</b>	
<p><b><u>Content</u></b></p> <p><a href="#">Digital tools</a> and environments support the learning process and foster collaboration in solving local or global issues and problems.</p> <p><b><u>CPI</u></b></p> <p><b>8.1.12.C.1</b>          Develop an innovative solution to a complex, local or global problem or issue in collaboration with peers and experts, and present ideas for feedback in an online community.</p>	<p><b><u>Instructional Guidance</u></b>  <i>To assist in meeting this CPI, students may</i></p> <ul style="list-style-type: none"> <li>• See Visual and Performing Arts Classroom Application Document for 1.1.12.D.1.</li> <li>• See Social Studies Classroom Application Document for 6.3.12.B.1.</li> </ul> <p><b><u>Sample Assessments</u></b>  <i>To show evidence of meeting this CPI, students may complete the following assessment:</i></p> <p>Design a scientific investigation in collaboration with an online learning community that includes research and interviews with experts in the field and leads to the development of an innovative product or idea.</p>	