



1. Staying Organized
  2. Web Presence
  3. Digital Citizenship
  4. Be Legal & Fair
  5. Productivity Suite
  6. Project Collaboration
  7. Digital Video
  8. Information Literacy
  9. Personal Networks
  10. Directed Learning
  11. Online Learning
  12. Interactive Tools
  13. E-Commerce
  14. Career Prep
  15. Troubleshooting
  16. Visual Organizers
  17. Powerful Presentations
  18. VAI-Casting
  19. Virtual Programming
  20. Data Quest
  21. Mobile Computing
- Teacher Resources

Project Partners:  
Carolyn McCarthy  
cmccarthy@voyager.net  
Shiawassee RESD

Dr. Jennifer Parker-Moore  
jpmoore@misd.net  
Macomb ISD

Melissa White,  
mwhite@inghamisd.org  
Ingham ISD

Dr. Anne Thorp  
athorp@oaisd.org  
Ottawa Area ISD

### Virtual Classroom

The <http://www.21things4students.net> website was designed as a virtual classroom for students in grades 6-12. In this classroom students will learn and demonstrate basic technology skills using a variety of web tools while meeting the online course requirements for graduation.

### Aligned to Standards

Members of the **REMC Instructional Technology Specialists (RITS)**, along with pilot teachers from across the state, have created this site to provide project-based activities aligned to the *National Educational Technology Standards for Students (NETS-S)*, the *Michigan Educational Technology Standards for Students (METS)* and the *Framework for 21st Century Learning (Partnership for 21st Century Skills)*.

### Student Technology Proficiency

Students utilize web tools, instructional videos, and online activities to create a digital portfolio of project based learning activities. Students satisfactorily completing the 21things4students course are deemed proficient for state reporting in **8th grade technology**.

### Teacher Resources

Teacher Resource pages provide course administrators with supporting documents, materials, rubrics for evaluation, and additional activities for enrichment and re-teaching.

### District Flexibility

The online course provides districts with flexibility given local resources. Districts can tailor implementation in a variety of ways, including multi-year/grades, integration into current curriculum/content, or by offering a dedicated course.

### Find Out More

For information about the **21things4students**, visit the web site at <http://www.21things4students.net> or contact the Project Partners:

- Carolyn McCarthy, cmccarthy@voyager.net
- Dr. Jennifer Parker-Moore, jpmoore@misd.net
- Melissa White, mwhite@inghamisd.org
- Dr. Anne Thorp, athorp@oaisd.org

## Local Design

Although the website can be freely used to teach any of the “things” independently, ensuring that all students are proficient in technology requires district planning. It is recommended that districts using the 21things4students course develop an integration plan based on local resources. Consider the following implementation models.

### Model 1—Multi-Year/Grade Plan

Each grade level is responsible for integrating and teaching certain “Things” across the curriculum.

Sample:

- Grade 6—Things 1-7
- Grade 7—Things 8-14
- Grade 8—Things 15-21

### Model 2—Dedicated Course(s)

The school offers a course focused on teaching all 21things at BASIC level (6-8th level). Potential for additional course with students completing ADVANCED (9-12 level) activities

Sample:

- Students complete dedicated course—BASIC activities (designed for grades 6-8) during a 12-16 weeks (Trimester/Semester) covering all 21things at BASIC level (6-8th level)
- Students complete dedicated course—ADVANCED activities (designed for grades 9-12) during 12-16 weeks (Trimester/Semester) covering all 21things at the ADVANCED level (9-12th level)

### Model 3—Curriculum Integration

Sample: Each content area integrates certain “things” into their course content. Students are exposed to all 21things within the four core/required area courses.

<p><b>Social Studies</b></p> <ul style="list-style-type: none"> <li>3. <i>Digital Citizenship</i></li> <li>4. <i>Be Legal &amp; Fair</i></li> <li>10. <i>Directed Learning</i></li> <li>11. <i>Online Learning</i></li> <li>13. <i>E-Commerce</i></li> <li>14. <i>Career Prep</i></li> </ul>	<p><b>ELA</b></p> <ul style="list-style-type: none"> <li>1. <i>Staying Organized</i></li> <li>2. <i>Web Presence</i></li> <li>5. <i>Productivity Suite</i></li> <li>8. <i>Information Literacy</i></li> <li>17. <i>Powerful Presentations</i></li> </ul>
<p><b>Science</b></p> <ul style="list-style-type: none"> <li>6. <i>Project Collaboration</i></li> <li>7. <i>Digital Video</i></li> <li>15. <i>Troubleshooting</i></li> <li>16. <i>Visual Organizers</i></li> <li>18. <i>VAI-Casting</i></li> </ul>	<p><b>Math</b></p> <ul style="list-style-type: none"> <li>19. <i>Virtual Programming</i></li> <li>20. <i>Data Quest</i></li> <li>21. <i>Mobile Computing</i></li> <li>9. <i>Personal Networks</i></li> <li>12. <i>Interactive Tools</i></li> </ul>