

**Instructional Media & Technology Integration Options for GRADE 5**

| IMC or Technology Concept or Skill | READING   | WRITING   | MATH                         | SCIENCE   | SOCIAL STUDIES   |
|------------------------------------|---|---|------------------------------|---|--|
| Reference and Research Resources   |   | <p><b>Genre Focus= Expository</b></p> <ul style="list-style-type: none"> <li>• Nonfiction report</li> <li>• Basic research paper</li> </ul> <p><i>Student research project (tie in with genre focus, science or social studies topic of choice)</i></p>   |                              | <p><b>Solar Energy Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Research solar homes</li> </ul> <p><b>Variables Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Research boats and ships</li> <li>• Research catapults</li> </ul>  | <p><b>World Regions</b></p> <ul style="list-style-type: none"> <li>• Research world regions/countries/government</li> </ul> <p><b>Ancient Civilizations</b></p> <ul style="list-style-type: none"> <li>• Research Ancient Civilizations/Wonders of the World</li> </ul>                                      |
| Word Processing                    | <i>Publishing in any Genre Focus - Applies to all units</i>   | <p><b>Genre Focus=Timed Writing</b></p> <ul style="list-style-type: none"> <li>• Timed typing exercises – tie in with Keyboarding</li> </ul> <p><i>Publishing in any Genre Focus - Applies to all units</i></p>   |                              | <p><b>Mixtures and Solutions Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Descriptive word Wordle</li> <li>• Create a Gorp recipe</li> </ul> <p><b>Solar Energy Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Write directions for a solar water heater</li> <li>• Describe shadows (possible poetry connection)</li> </ul> <p><b>Variables Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Create a "Sailor's tale"</li> <li>• Write a flight plan</li> <li>• Write directions for a flipper game</li> </ul> | <i>Applies to all units</i>  |
| Spreadsheet Software*              |   |   | Ratios and Percentages Graph | <p><b>Mixtures and Solutions Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Calculate drink costs</li> <li>• Graph saturation relationship</li> </ul> <p><b>Solar Energy Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Graph surface temperature changes</li> </ul>  | <p><b>Immigration Today</b></p> <ul style="list-style-type: none"> <li>• Compare/graph patterns of immigration over time</li> </ul>  |
| Graphics Organizer Software*       | <p><u>Quarter 1</u><br/>Genre Focus = Autobiography<br/>Comprehension Strategy = Questioning</p> <ul style="list-style-type: none"> <li>• Autobiography web</li> <li>• Timeline</li> </ul> <p><u>Quarter 2</u><br/>Genre Focus = Historical Fiction</p> | <p><b>Genre Focus= Narrative: Nonfiction</b></p> <ul style="list-style-type: none"> <li>• Personal Narrative Web</li> </ul> <p><b>Genre Focus= Expository</b></p> <ul style="list-style-type: none"> <li>• Note taking web</li> <li>• Timeline</li> </ul> <p><b>Genre Focus= Technical Writing</b></p> <ul style="list-style-type: none"> <li>• Direction flow-chart</li> </ul> |                              | <p><b>Mixtures and Solutions Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Compare crystals/reactions</li> </ul> <p><b>Solar Energy Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p>  | <p><b>Trade Across Time &amp; Cultures</b></p> <ul style="list-style-type: none"> <li>• Wants and Needs Comparison</li> </ul> <p><b>Immigration Today</b></p> <ul style="list-style-type: none"> <li>• Timeline of immigration patters</li> </ul> <p><i>Use Kidspiration for pre-writing/note taking</i></p> |

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|-------------------------------|--|---|---|---|--|
|                               | <p>Comprehension Strategy = Inferring</p> <ul style="list-style-type: none"> <li>• Elements of Plot Web</li> <li>• Compare personal life to historical time period</li> <li>• Inferring t-chart ( big ideas –lives today, causes of problems or outcomes)</li> </ul> <p><b>Quarter 3</b><br/>Genre Focus = Realistic Fiction<br/>Comprehension Strategy = Determining Importance</p> <ul style="list-style-type: none"> <li>• Story Element Flow Chart</li> <li>• Compare/contrast realistic fiction to other genres</li> <li>• Important vs. Insignificant detail sort</li> </ul> <p><b>Quarter 4</b><br/>Genre Focus = Drama<br/>Comprehension Strategy = Synthesizing</p> <ul style="list-style-type: none"> <li>• Create storyboard /script</li> </ul> | <p><b>Genre Focus=Timed Writing</b></p> <ul style="list-style-type: none"> <li>• Timed typing exercises – tie in with Keyboarding</li> </ul> <p><i>Use Kidspiration for prewriting/note taking</i></p>                              |   | <p><i>Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• List luminous and non-luminous light sources</li> </ul>   |  |
| <b>Presentation Software*</b> | <p><b>Quarter 1</b><br/>Genre Focus = Autobiography<br/>Comprehension Strategy = Questioning</p> <ul style="list-style-type: none"> <li>• Photostory/PowerPoint/Glogster Presentation</li> </ul> <p><b>Quarter 4</b><br/>Genre Focus = Drama<br/>Comprehension Strategy = Synthesizing</p> <ul style="list-style-type: none"> <li>• Fairy Tale plays (video/iPad)</li> </ul>   | <p><b>Presentation project (tie in with genre focus, science or social studies topic of choice)</b></p> <p><b>Possible software options: Photo Story, PowerPoint, Voice Thread, Flix Time, Animoto, Wordle, Prezi, Glogster</b></p> |   | <p><b>Solar Energy Module</b><br/><i>Possible activities from "Interdisciplinary Extensions, Thinking Processes and Technology/Home Connections"</i></p> <ul style="list-style-type: none"> <li>• Make a solar power advertisement</li> </ul> | <b>Applies to all units</b>  |
| <b>iPad</b>                   | E-book Applications<br>Associated Apps as Available  | E-book Applications<br>Associated Apps as Available   | Associated Apps as Available                              | E-book Applications<br>Associated Apps as Available   | E-book Applications<br>Associated Apps as Available: Stack the States  |
| <b>Internet</b>               | Author Webpages<br>E-book Websites<br>Video Lessons on Mini Lesson Topics or Author<br>Brain Pop Jr.   | Brain Pop Jr.   | Harcourt Math Site<br>Everyday Math Site<br>Brain Pop Jr. | FOSS Web<br>Brain Pop Jr.<br>Skype with meteorologist<br>Virtual greenhouse visit   | Brain Pop Jr.<br><br>Ben's Guide to US Government:<br><a href="http://bensguide.gpo.gov/">http://bensguide.gpo.gov/</a><br><br>Geography Games:<br><a href="http://www.sheppardsoftware.com/web_games.htm">http://www.sheppardsoftware.com/web_games.htm</a> |
| <b>ProScope</b>               |  |   |   | <b>Use as applies</b>   |  |