


Using History and Social Studies to connect to Math and Science

<p>The Massachusetts History and social studies Framework</p>	<h2 style="text-align: center;">Social Studies/ History</h2> <h3 style="text-align: center;">Finding Design Challenges;</h3> <div style="background-color: #4a86e8; color: white; padding: 5px; margin: 10px 0;"> <p><i>Use books to also cover the social studies themes as defined in the framework.</i></p> </div> <p>When choosing your book, you can integrate Social Studies/History by picking books with themes that track the Social Studies/History Framework</p> <p>Pre-Kindergarten–Kindergarten: Living, Learning, and Working Together</p> <p>Grade 1 : True Stories and Folk Tales from and from Around the World</p> <p>Grade2: Unum: From Many ,One</p> <p>Grade 3 : and its Cities and Towns: Geography and History</p> <p>Grade 4 : North American Geography with Optional Standards for One Early Civilization</p> <p>Grade 5 : United States History, Geography, Economics, and Government: Early Exploration to Westward Movement</p> <div style="background-color: #d9e1f2; padding: 5px;"> <p><i>Use books to also cover the social studies themes as defined in the framework.</i></p> </div>

	<p style="text-align: center;">Discussion ... 10 min</p> <div style="border: 2px solid red; padding: 10px;"> <ul style="list-style-type: none"> • Grade 5 : United States History, Geography, Economics, and Government: Early Exploration to Westward Movement • Lets Pick an area of study and discuss what Design challenges we can come up with to make the learning more engaging for our students? </div> <div style="border: 1px solid purple; padding: 5px; display: inline-block; transform: rotate(-2deg);"> Engineering is all around us!!!! </div>
<p>As an example;</p>	<p style="text-align: center;">Examples</p> <ul style="list-style-type: none"> • Water treatment systems • Organizing fire systems for towns • Transportation systems • What made up a home in the time you are studying? • Forecasting the weather • Move story to geographic area you are studying
<p>Class Discussion</p>	<p>Our class is studying US History at the time of Plymouth and Jamestown, Virginia. Each had their issues. In Plymouth, they were not prepared to sustain on growing their own food, while in Jamestown, water was a big problem.</p>

<p>Design Challenges:</p>	<h2 style="text-align: center;">What makes a good Design challenge?</h2> <ul style="list-style-type: none"> • Fun to do. • Serve a useful purpose. • Fit with the science being studied. • Have the tools and material to complete. • Can do a lot with paper. 												
<p>Getting Started:</p>	<h2 style="text-align: center;">Select your “Design Challenge”</h2> <p style="text-align: center;"><i>Take 10 min. to select 1 or 2 design challenges</i></p> <p style="text-align: center;">In your teams, select the design challenge that you are most excited about solving</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; background-color: #4a7ebb; color: white; text-align: center; padding: 5px;">Priming</td> <td style="background-color: #e67e22; color: white; text-align: center; padding: 5px;"><i>What problem do you want to solve?</i></td> </tr> <tr> <td style="background-color: #a9b9d9; text-align: center; padding: 5px;">Story Mapping</td> <td style="text-align: center; padding: 5px;"><i>Who are you working for?</i></td> </tr> <tr> <td style="background-color: #a9b9d9; text-align: center; padding: 5px;">Needs</td> <td style="text-align: center; padding: 5px;"><i>Do we need to design with what they knew in that time period?</i></td> </tr> <tr> <td style="background-color: #a9b9d9; text-align: center; padding: 5px;">Problem Framing</td> <td></td> </tr> <tr> <td style="background-color: #a9b9d9; text-align: center; padding: 5px;">Values</td> <td></td> </tr> <tr> <td style="background-color: #a9b9d9; text-align: center; padding: 5px;">What constraints</td> <td></td> </tr> </table> <div style="text-align: right; margin-top: 10px;">  </div>	Priming	<i>What problem do you want to solve?</i>	Story Mapping	<i>Who are you working for?</i>	Needs	<i>Do we need to design with what they knew in that time period?</i>	Problem Framing		Values		What constraints	
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