



2016-2017 Suggested Classroom Timeline	
Month	Activities
August	<ul style="list-style-type: none"> <li>• School starts</li> <li>• <i>Discovering your Design Challenge</i>- Students select their engineering design problem area               <ul style="list-style-type: none"> <li>◦ All lesson plans available at : <a href="http://k12inventure.gatech.edu/lessonplans">http://k12inventure.gatech.edu/lessonplans</a></li> </ul> </li> </ul>
September	<ul style="list-style-type: none"> <li>• <i>Empathize Lesson</i>- Students practice identifying users and their authentic needs</li> <li>• <i>Define Lesson</i>- Students develop their concise engineering design problem statements targeting user needs</li> <li>• <i>Ideate Lesson</i>- Students brainstorm possible solutions</li> </ul>
October	<ul style="list-style-type: none"> <li>• <i>Prototype Lesson</i>- Students evaluate designs and begin construction</li> <li>• <i>Test Lesson</i>- Students collect data to determine how well the prototypes meet the original engineering design problem</li> </ul>
November	<ul style="list-style-type: none"> <li>• Prototype and Test- instruction continues as needed</li> </ul>
December	<ul style="list-style-type: none"> <li>• <i>Pitch Day</i>- Georgia Tech faculty and students listen to student pitches and critique project ideas and initial prototypes</li> <li>• Students submit drafts of papers and abstracts to teachers</li> <li>• <i>Capstone Expo</i>- Students invited to attend Capstone Expo at Georgia Tech and vote in the People's Choice Award (students are only observers and not bringing their own work)</li> </ul>
January	<ul style="list-style-type: none"> <li>• Iterative design process continues (student driven, outside of classroom)</li> <li>• Provisional Patent Discussion and Prepare Submissions</li> <li>• <i>Launch Lesson</i>- Students practice pitching their projects by creating 30-second videos and presenting a 5 minute talk on their design process and final product</li> </ul>
February	<ul style="list-style-type: none"> <li>• Students compete for InVenture exhibit space (at their schools)</li> <li>• Teachers submit student names, titles, and abstracts of top projects by February 15<sup>th</sup>.</li> </ul>
March 13 <sup>th</sup>	<p><i>InVenture Prize Day</i></p> <ul style="list-style-type: none"> <li>• Top projects from each school compete in finals</li> <li>• Challenge participants invited to be in audience &amp; attend student reception (based on space available)</li> <li>• Top project (s) highlighted (possibly on air) &amp; receive technology/ entrepreneurship prize</li> </ul>
April & May	<ul style="list-style-type: none"> <li>• Teacher feedback on lessons due</li> <li>• Begin planning for 2018 Challenge</li> <li>• Revised lessons posted for Year Six schools to use</li> </ul>