## Suggested Classroom Timeline

<table>
<thead>
<tr>
<th>Month</th>
<th>Activities</th>
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| **August** | • School starts  
• *Discovering your Design Challenge* - Students select their engineering design problem area  
  ○ All lesson plans available at: [http://k12inventure.gatech.edu/lessonplans](http://k12inventure.gatech.edu/lessonplans) |
| **September** | • *Empathize Lesson* - Students practice identifying users and their authentic needs  
• *Define Lesson* - Students develop their concise engineering design problem statements targeting user needs  
• *Ideate Lesson* - Students brainstorm possible solutions |
| **October** | • *Prototype Lesson* - Students evaluate designs and begin construction  
• *Test Lesson* - Students collect data to determine how well the prototypes meet the original engineering design problem |
| **November** | • Prototype and Test - instruction continues as needed |
| **December** | • *Pitch Day* - Georgia Tech faculty and students listen to student pitches and critique project ideas and initial prototypes  
• Students submit drafts of papers and abstracts to teachers  
• *Capstone Expo* - 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) |
| **January** | • Iterative design process continues (student driven, outside of classroom)  
• Provisional Patent Discussion and Prepare Submissions  
• *Launch Lesson* - Students practice pitching their projects by creating 30-second videos and presenting a 5 minute talk on their design process and final product |
| **February** | • Students compete for InVenture exhibit space (at their schools)  
• Teachers submit student names, titles, and abstracts of top projects. |
| **March** | **InVenture Prize Day**  
• Top projects from each school compete in finals  
• Challenge participants invited to be in audience & attend student reception (based on space available)  
• Top project(s) highlighted (possibly on air) & receive technology/entrepreneurship prize |
| **April & May** | • Teacher feedback on lessons due  
• Begin planning for next year’s Challenge  
• Revised lessons posted for Year Six schools to use |