



Suggested Classroom Timeline	
Month	Activities
August	<ul style="list-style-type: none"> • School starts • <i>Discovering your Design Challenge</i>- Students select their engineering design problem area <ul style="list-style-type: none"> ◦ All lesson plans available at : http://k12inventure.gatech.edu/lessonplans
September	<ul style="list-style-type: none"> • <i>Empathize Lesson</i>- Students practice identifying users and their authentic needs • <i>Define Lesson</i>- Students develop their concise engineering design problem statements targeting user needs • <i>Ideate Lesson</i>- Students brainstorm possible solutions
October	<ul style="list-style-type: none"> • <i>Prototype Lesson</i>- Students evaluate designs and begin construction • <i>Test Lesson</i>- Students collect data to determine how well the prototypes meet the original engineering design problem
November	<ul style="list-style-type: none"> • Prototype and Test- instruction continues as needed
December	<ul style="list-style-type: none"> • <i>Pitch Day</i>- 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 • <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)
January	<ul style="list-style-type: none"> • Iterative design process continues (student driven, outside of classroom) • Provisional Patent Discussion and Prepare Submissions • <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
February	<ul style="list-style-type: none"> • Students compete for InVenture exhibit space (at their schools) • Teachers submit student names, titles, and abstracts of top projects.
March	<p><i>InVenture Prize Day</i></p> <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Teacher feedback on lessons due • Begin planning for next year's Challenge • Revised lessons posted for Year Six schools to use