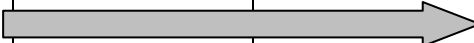
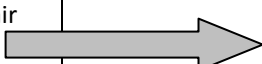


## (The Unnamed) Project 5

The project focus for our 5<sup>th</sup> project cycle this school year deals with **developing and performing an effective experiment** in the area of consumer product testing, in addition to **learning and presenting physics concepts**, **competing in engineering challenges**, **working with a team** of (randomly) teacher-selected group members, **project management**, and **problem solving**.

Our first challenge is to come up with a catchy name. My first attempts are pretty weak, they include: "Force is with Us," "Sick Tricks with Physics," and "Ins and Outs of Inventions." I'm hoping that inspiration will strike our very creative students...

Here is a brief preview of what the next few weeks will look like:

Mon.	Tues.	Wed.	Thurs.	Fri.
<b>Week of April 9-13</b> Project intro, establish group norms, and develop and carry out an experiment that tests a consumer product and record the results in a way that can be presented and shared	10 -Group work on defining investigation	11 -Norms presentation due -Evaluate group members -Develop experiment	12 –Test/write up experiment -Continue documentation -Report out group member evaluation	13 –Experiment procedure due -Perform test and document results -Introduce challenge options for week 3
<b>Week of April 16-20</b> Physics 101—(learn and prepare for written exam) Create digital lesson highlighting one of the concepts that can be used to create a kid friendly demo  *Vote on project name entries Wednesday	17 -Lecture -Student directed investigation	18 -Teams develop plan to present concepts -Kid friendly demo plan *Vote for a project name	19 -Ongoing electronic journal and photo documentation	20 -Kid friendly demo and concept presentation due -Report out group member evaluation for the week
<b>Week of April 23-27</b> Engineering Challenge Series – Create, problem solve, and complete as a team; ongoing reflection and documentation required. <i>Prepare for TEST</i>	24 -2-liter water/air rocket or Rube Goldberg Challenge	25 	26 -Photo and written journal of process and progress	27 – Ongoing documentation of progress. -Report out group member evaluation for the week
<b>Week of April 30-May 4</b> Engineering Challenge Series – final days, wrap up, review, and prepare for next week presentation (to parents and/or younger students)	1 -2-liter water/air rocket or Rube Goldberg Challenge	2 	3 –Challenge wrap up; Rube Goldberg or water/air rocket summary & review -Report out final group member evaluation s	4 – Tentative physics test; prepare for presentations
<b>May 7 Presentation Preparation</b>	Tuesday , May 8 <b>PRESENTATION DAY/NIGHT</b>		<b>Post Project Reflection and Assessment</b>	

Project night will once again be a little out of the ordinary as we share what we have learned in a competitive, fun format. Teams of students will share the following with family members and other guests: 1) group norms that they established for successful cooperation, 2) consumer product test results and physics lesson, 3) engineering challenge summary. The final activity on project presentation night will be a competitive game format involving volunteer parents and family members working with student groups in engineering and intellectual challenges! We look forward to seeing you on Tuesday May 8<sup>th</sup> at 6:30 pm.