

Lesson Plan: Ideas for Engineering

Engineering 101

Overview	Students will be placed in teams and they will discuss their ideas, this is a competition over all classes instructed
Objectives	Students will think of an invention that involves engineering something. The winning team, chosen by the classes themselves, gets to opportunity to present their idea to a manufacturer.
Materials	Computer programs, teammates, team names
Procedure	<ol style="list-style-type: none">1) Introduce students to the competition<ol style="list-style-type: none">a) Talk about requirements and guidelines<ol style="list-style-type: none">i) Invention has to involve engineering in some major way2) Tell students I have to okay the idea3) Tell students they have one month to finish their idea<ol style="list-style-type: none">a) After that one month students will have to present their ideas to the all the Engineering 101 classesb) Peers vote on which idea they like best, teams cannot vote on their own idea<ol style="list-style-type: none">i) If there is a tie I pick the winnerc) Winning team presents their idea to a manufacturer over vawkr4) Also tell the students I will be grading them on teamwork/participation and creativeness, also there will be a peer review
Evaluation	Final grade will be worth 150 points, winners get an extra 25 points. ____(50): teamwork/participation within team ____(50): creativeness ____(50): peer review