

Additional Science Project Ideas and Links For 2023



	Project Title	Description	1st Information Link	2nd Information Link
1	What is the effect of Trebuchet arm length or counterweight mass on projectile launch distance?	This is an engineering project: Build a Trebuchet with an adjustable arm length then collect data and graph arm length to distance thrown or adjust counterweight mass	Google instructions on how to make a Trebuchet	
2	What conditions give you the biggest individual cubic salt (NaCl) crystal?	Experiment with different conditions to obtain the largest single crystal (see links for hints on accomplishing this)	http://chemistry.about.com/cs/growingcrystals/a/aa012604.htm	http://www.reciprocalnet.org/education/modules/crystallization/
3	The Art and Science of making yummy yogurt.		projects/project_ideas/FoodSci_p030.shtml#summary	
4	How to maximize air rocket flight distance	This is an engineering project. Construct several rockets using different paper weights to achieve maximum flight distance. Then determine the rocket length that will maximize flight distance. View video	http://www.youtube.com/watch?v=9rWg0La2FQ	
5	How does projectile mass affect distance tossed with a Trebuchet?	This is an engineering project. Build a Trebuchet and test different weight projectiles to see if this affects distance tossed. Mayb use a wiffle golf or baseball with the holes taped shut, but then add different amounts of sand or led shot.	Google instructions on how to make a Trebuchet	
6	How sweet is it? Measuring Glucose in your food.		http://www.sciencebuddies.org/science-fair-projects/project_ideas/FoodSci_p049.shtml#procedure	
7	Which breakfast cereal has the most iron?			
8	How light affects development of salt crystals.	Use three identical containers, add identical saltwater solutions all to an equal level. Add similar primary and secondary nucleation to all three containers.	http://chemistry.about.com/cs/growingcrystals/a/aa012604.htm	http://www.reciprocalnet.org/education/modules/crystallization/
9	Up, Up and away in your own Hot-Air Balloon.	Test several light weight bags or different size bags, and determine which stays up the longest.	http://www.grc.nasa.gov/WWW/k-12/TRC/Aeronautics/Hot_Air_Balloon.html	
10	Build and test different parameters of a model hovercraft.	Engineering project	http://www.sciencebuddies.org/science-fair-projects/project_ideas/Aero_p033.shtml#procedure	
11	Riding on Air Build a Real Hovercraft	Engineering project	http://www.sciencebuddies.org/science-fair-projects/project_ideas/Aero_p036.shtml#procedure	

12	Are bugs repelled or attracted to magnetic fields?			
13	Do fruit flies have food preferences?	Investigation		
14	Is average reaction time different for males and females?	Investigation		
15	Is plant growth affected by the presence of a magnetic field?	Experiment		
16	Which is more colorful male or females in reptiles and birds?	Investigation		
17	What type of food do ants prefer proteins or carbohydrates?	Investigation		
18	What temperature range yields optimal rate of Photosynthesis?	Investigation		
19	How much salt do ants like on their protein?	Investigation		
20	Does an increase in light intensity (lumens) affect plant production of oxygen?	Experiment		
21	Does the color and or pattern of a fruit flies environment affect eye & body color of offspring?			
22	Did some North American dinosaurs die and become buried as a result of a tsunami during the Cretaceous?	Investigation		
23	What conditions generate large individual crystal growth?	Investigation	http://chemistry.about.com/od/growingcrystals/ht/saltcrystals.htm	
25	Amoeba locomotion		http://www.microscopy-uk.org.uk/mag/indexmag.html?http://www.microscopy-uk.org.uk/mag/artsep01/amoeba.html	
26	Determine the effect of a trebuchet arm length on projectile launch distance	Engineering project	http://www.sciencebuddies.org/science-fair-projects/project_ideas/ApMech_p013.shtml?fave=no&isb=c2lkOjEsaWE6QXBZWN0LHA6MxyyaWQ6Nzc1NTQyNQ&from=TSW	
27	Applying Hooke's Law: Make Your Own Spring Scale		http://www.sciencebuddies.org/science-fair-projects/project_ideas/ApMech_p027.shtml?fave=no&isb=c2lkOjEsaWE6QXBZWN0LHA6MxyyaWQ6Nzc1NTQyNQ&from=TSW	
28	May the Best Plant Win! Experiment with Genetically Modified Seeds		http://www.sciencebuddies.org/science-fair-projects/project_ideas/Genom_p020.shtml?fave=no&isb=c2lkOjEsaWE6R2Vub20scDoxLHJpZDo3NzU1NDI1&from=TSW	

29	Which Animals Have Genome Projects?		http://www.sciencebuddies.org/science-fair-projects/project_ideas/Genom_p007.shtml?fave=no&isb=c2lkOjEsaWE6R2Vub20scDoxLHJpZDo3NzU1NDI1&from=TSW
30	Milk Does Your Body <i>and</i> a Boat Good—Design Your Own Milk Carton Boat		http://www.sciencebuddies.org/science-fair-projects/project_ideas/Aero_p037.shtml?fave=no&isb=c2lkOjEsaWE6QWVybyxwOjEscmlkOjc3NTU0MjU&from=TSW
31	The Paper Plate Hovercraft*		http://www.sciencebuddies.org/science-fair-projects/project_ideas/Aero_p027.shtml?fave=no&isb=c2lkOjEsaWE6QWVybyxwOjIscmlkOjc3NTU0MjU&from=TSW
32	Is There a Whole Lot of Shaking Going On? Make Your Own Seismograph and Find Out!		http://www.sciencebuddies.org/science-fair-projects/project_ideas/Geo_p017.shtml?fave=no&isb=c2lkOjEsaWE6R2VvLHA6MSxyaWQ6Nzc1NTQyNQ&from=TSW
33	Build a Raft Powered by Surface Tension	Investigate how a small raft made from a clear plastic sheet can be propelled by water surface tension.	http://www.sciencebuddies.org/science-fair-projects/project_ideas/Phys_p010.shtml
34	Bottled-up Buoyancy	Build a submarine out of a water bottle or 2 L bottle. Also, build a propeller to make it move. You can test different bottle sizes or propeller sizes to see which moves the fastest.	http://www.sciencebuddies.org/science-fair-projects/project_ideas/Aero_p034.shtml#procedure

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