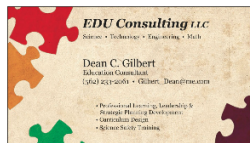


SAMPLE PHENOMENA, ACTIVITIES & PROJECTS ALIGNED TO NGSS- GRADES K-5

GRADE	DISCIPLINE	PHENOMENON	WEBLINK	SUGGESTED ACTIVITY/PROJECT
LIFE SCIENCE:				
K	K-LS1-1	Do Plants Need Soil to Survive?	http://www.pbslearningmedia.org/resource/tdc02.sci.life.colt.eat/what-do-animals-eat/ ; http://www.watchknowlearn.org/Video.aspx?VideoID=34400&CategoryID=6302	http://www.pbslearningmedia.org/resource/tdc02.sci.life.colt.lp_stayalive/the-needs-of-living-things/
1	1-LS1-1	How Do Plants and Animals Use Their External Parts to Help Them Survive and Grow?	https://www.youtube.com/watch?v=CX2m2n2uDAE ; https://www.youtube.com/watch?v=OaNiEku9Uk0 ; http://www.pbslearningmedia.org/resource/301eb323-fcff-4902-859b-634b27fabfe0/301eb323-fcff-4902-859b-634b27fabfe0/	http://www.ascd.org/publications/books/102294/chapters/What-Plants-Need@-A-Science-Unit-on-the-Functions-of-Plant-Parts.aspx ; https://classroom.kidshealth.org/index.jsp?Grade=pk&Section=body
2	2-LS2-1	How Do Seeds Travel?	https://www.youtube.com/watch?v=6hcjxaBz8mw ; http://www.pbslearningmedia.org/resource/tdc02.sci.life.stru.sockseeds/sock-seeds/	https://gardenatschool.wordpress.com/2012/05/17/seed-dispersal-ideas/
3	3-LS4-1	How Do Animals Survive in Different Habitats?	http://www.skyenimals.com/browse_habitat.cgi	https://www.teachervision.com/ecological-adaptation/animals/6989.html
4	4-LS1-2	How Do Plants and Animals Use Their Senses to Survive?	https://www.youtube.com/watch?v=ThqxliM6zpc ; https://www.youtube.com/watch?v=kB-7lsuZ8lc ; https://www.youtube.com/watch?v=Gv4jhwJ1gg0	http://www.education.com/activity/the-5-senses/
5	5-LS1-1	How Do Plants Make Their Food?	https://www.youtube.com/watch?v=_xeYNnzwpSE ; http://www.pbslearningmedia.org/resource/tdc02.sci.life.stru.photosynth/photosynthesis/	http://www.agclassroom.org/teacher/matrix/lessonplan.cfm?lpid=184
PHYSICAL SCIENCE:				
K	K-PS2-1	How Does a Push or Pull Cause Motion?	https://www.youtube.com/watch?v=FOcY37oGhj8	http://www.weareteachers.com/blogs/post/2014/09/16/simple-physics-experiments-for-kids-pushing-and-pulling ; http://www.mccracken.kyschools.us/Downloads/PUSHES%20and%20PULLS%20-K.pdf
1	1-PS4-1	What Makes Sound?	https://www.youtube.com/watch?v=AGjxfx8sy6s	http://www.pbslearningmedia.org/resource/phy03.sci.phys.howmove.lp_sound/sound-vibrations/
2	2-PS1-1	How Does Heat Change Matter?	https://www.youtube.com/watch?v=tHM0UkhwfsQ	http://www.cpalms.org/Public/PreviewResourceLesson/Preview/46090



SAMPLE PHENOMENA, ACTIVITIES & PROJECTS ALIGNED TO NGSS- GRADES K-5

3	3-PS2-3	What Happens When Forces Are Unbalanced?	https://www.youtube.com/watch?v=8iKhLGK7HGk	http://www.morethanaworksheet.com/2015/06/20/teaching-balanced-and-unbalanced-forces/
4	4-PS3-2	How Is Energy Transferred Between Matter?	http://www.pbslearningmedia.org/asset/phy03_vid_zmilk/ ; http://www.pbslearningmedia.org/resource/phy03.sci.phys.mfe.zsplcar/potential-and-kinetic-energy-spool-racer/	http://www.mccracken.kyschools.us/Downloads/4%20NGSS%20UNIT%20Energy%20Waves.pdf
5	5-PS1-4	What Happens to Matter in a Chemical Change?	http://study.com/academy/lesson/what-is-a-chemical-change-properties-types-examples.html	http://www.education.com/activity/article/Foam_It_fifth/
EARTH/SPACE SCIENCE:				
K	K-ESS2-1	How Does Weather Change Over Time?	https://www.youtube.com/watch?v=7mgK2FQVc54 ; http://www.pbslearningmedia.org/resource/evscps.sci.life.clouds/clouds-and-weather/	http://www.brighthubeducation.com/pre-k-and-k-lesson-plans/127729-all-kinds-of-weather-science-lesson/
1	1-ESS1-2	How Does the Sun's Position Change Over Time?	https://www.youtube.com/watch?v=crmpS1HoDQw	http://betterlesson.com/next_gen_science/browse/2080/ngss-1-ess1-1-use-observations-of-the-sun-moon-and-stars-to-describe-patterns-that-can-be-predicted
2	2-ESS2-1	How Does Water and Wind Affect the Shape of the Land?	https://www.schooltube.com/video/f2c42addfb6d40ccacb3/	http://betterlesson.com/lesson/637361/wind-erosion
3	3-ESS2-1	What Types of Weather Can You Expect for Each Season?	https://www.youtube.com/watch?v=8Zjpl6fgYSY	http://www.education.com/activity/weather-seasons/
4	4-ESS2-1	What Affects How Fast the Land Erodes?	https://www.youtube.com/watch?v=exS9gFXgib0	https://www.pinterest.com/jennvt67/science-weathering-erosion-ngss-4-ess2-1/
5	5-ESS2-1	In What Ways Does the Geosphere and Biosphere Interact?	https://www.youtube.com/watch?v=VMxjzWHbyFM	http://www.cpalms.org/Public/PreviewResourceLesson/Preview/45854 ; http://www.cpalms.org/Public/PreviewResourceLesson/Preview/75462 ; https://www.pinterest.com/pin/96827460711952859/