High School Physical Science Sample Phenomena

Instructional Segment	DCI(s)	PE	Phenomena
1	PS2.A	HS-PS2-1	Forces that act during mountain formation https://docs.google.com/document/d/113SbthvO2bA8y8Kujwp66558I4Sag8yl_fU3W35ZYhA/edit
	PS2.A	HS-PS2-2, HS-PS2-3	Pucks colliding on an air table https://docs.google.com/document/d/14JXA28a8JUZ3q1weHdzmwj98bJ3YvACS9QCpcQZtumg/edit
	ETS1.A, ETS1.B, ETS1.C	HS-ETS1-1, HS-ETS1-2, HS-ETS1-3, HS-ETS1-4	Landing the rover, Curiosity, safely on Mars https://docs.google.com/document/d/1tWDrfMG4MUSLqoC8sGENiYzR7RjC0Z0uFlJoO6AakjQ/edit
2	PS2.B	HS-PS2-4, HS-PS2-6	Water Droplet in falling onto still water in slow motion https://docs.google.com/document/d/1UcyRyWD6t_heyCrCRM4WRNg0c_jN_XXu-L8MJ0ioyLA/edit
	ESS1.B	HS-ESS1-4	Planetary distance and orbital period data table https://docs.google.com/document/d/1k4MJGBgm7ofGpa_5MB9mOLaRc22I4Q_II3G9bEk-EOk/edit
3	PS3.D, PS3.A	HS-PS2-5, HS-PS3-1, HS-PS3-2, HS-PS4-5	A hand held device with a crank handle is used to charge a cell phone https://docs.google.com/document/d/1Y0QAISiFgpJAWsCKQgLzkCiFgUp-IwZWFofIIGsbSbc/edit *See also* Bike powered phone charger http://www.yyc.com/News/tabid/91/articleType/ArticleView/articleId/232/Innovative-New-Charging-Station-at-Calgary-International-Airport-Unveiled.aspx
	PS3.A, PS3.C	HS-PS3-5, HS-PS3-3	Simple electric motor https://docs.google.com/document/d/1_heeBzc1odKBmoNxkes5LkZkb6zTysbK6QNU1mAHnCo/edit
	ESS3.A ESS3.C	HS-ESS3-2, HS-ESS3-3	Energy flow chart for California 2014

			https://docs.google.com/document/d/1gzggEa4XoaRc4U1WuuZJKJRpSZ_uO6Ue82XU3PpOW3Y/edit
4	PS1.C, PS1.A, ESS1.C, ESS2.B	HS-PS1-8, HS-ESS1-5, HS-ESS1-6, HS-ESS2-1	Age of the ocean lithosphere https://docs.google.com/document/d/1dV4-ae55C-Rq6kwYC6uRdOFll5iCQBo3SxfWkdnEsH0/edit
5	PS4.A, PS4.B, PS3.D	HS-PS4-1, HS-PS4-5, HS-PS4-2	Turn sound into light and then light back into sound https://docs.google.com/document/d/1281QmaQ0_PA_GkQXsov7owgM2AHFYUv7qe6qBgb8sic/edit
	ESS2.B	HS-ESS2-1	Earthquake waves travelling through Earth https://docs.google.com/document/d/1KOPQpkUriH5CshK7xuD9buZVGZd33PemwY080U9G-A8/edit
6	ESS1.A	HS-ESS1-1, HS-ESS1-2, HS-ESS1-3	Spectral patterns of a binary system https://docs.google.com/document/d/1pkAviNJDrgAIzEtBSv3OQ_e7IAmRQCAWLqKDVE5voGo/edit
	PS1.A PS1.B ESS1.A PS1.C	HS-PS1	Birthday candles with colored flames https://www.youtube.com/watch?v=mdW6Es6LLBY
4 (chem)	PS1.B ETS1.C	HS-PS1-4	Hot & Cold Packs http://www.healthandcare.co.uk/user/products/large/030105b.jpg
6 (chem)	PS1.B ESS3.C LS2.A ETS1.C	HS-PS1-6 HS-ESS3-6 HS-LS2-1 HS-ETS1-4	Ocean Acidification http://tinyurl.com/koof7bq
	PS1.B ESS3.C LS2.A ETS1.C	HS-PS1-6 HS-ESS3-6 HS-LS2-1 HS-ETS1-4	Coral reef bleaching https://www.youtube.com/watch?v=7bjamypAq9Y