Unit 6 Theme: Moments that Matter (Solar Car)

Students will understand the relationships among energy, force, and motion.

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|  | **I can statements:** | No | Kind of | Yes |
| SC1 | I can determine the relationship between the number of teeth in each gear in a two-gear system and the relative number of turns of each gear | Pre-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Post-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SC2 | I can calculate and graph the speed of a SunEzoom car (time vs distance) I can calculate slope on the graph and know what it means | Pre-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Post-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SC3 | I can list and explain the forces that act on moving objects, specifically cars | Pre-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Post-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SC4 | I can redesign a SunEzoom car to be four-wheel drive | Pre-test |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Post-test |  |  |
|  |  |  |  |  |  |  |  |  |  |