Name Period Engineering Design 1 Science 8 Calendar Thur October 2017 26 ← Add Arrows **Criteria and Constraints:** on the outside of each gear Complete the Engineering to show direction of motion **23** Design Scoring Guide. of each gear and the belt. Criteria: Sculpture must 1 pt each \_\_\_ 1) Be portable and smaller than **Points: Engineering** vour binder. X Marks the Spot! Arrows & X's Design 2) Balance in continued motion. Find and mark (X) the Center 3) Design 1: Wire & Washers.\_\_\_\_ **Problem:** of Mass (Gravity) of 3 diverse 4) Design 2: Asymmetrical items. X and Initial! Use the Engineering Start with a pencil. \_\_\_\_ And Extra for: Online Design Guidelines to 5) Deliver a 2 penny cargo, design and build a Calendars are **Online Activities:** perhaps by riding a zipportable **Kinetic** DUE Physical Science line to a second location, **Balancing Sculpture Engineering** the Last Day of BBC KS3 Forces that balances and **Scoring Guide** Constraints: Sculpture must the Week. BBC KS3 Energy, moves, using energy 1) Follow materials constraints Transfer & Storage transferred from wind on board. **Energy Flows Daily Quizzes:** or gravity, as it \_\_2) Be portable and smaller than overcomes friction to your binder. Inquiry & Engineering -> Mon demonstrate inertia by Black Box EXTRA for working wheel, moving "on its own". Discovery Black Box Tue pulley, gear, spring, spinner, (Deliver a cargo of 2 Tracker pinwheel ↓, axle, added arm, pennies?) Wed penny, and/or?. 5 each 20 Central Science Home Page: www.plyter.com/science Physical Science→ BBC KS3 Forces BBC KS3 Energy Transfer.... Energy FLows Google Page → Google Classroom → Prefixes and Suffixes Total Practice Tests → QuizLab → Classword = plyter18 → Password = Your Student # **Inquiry and Engineering** → Black Box →Tracker → Pinwheel with Axle (Spinner) → Discovery Black Box



Copy the Objective:		



Use the Engineering Design Guidelines as I design and build a Kinetic Balancing Sculpture that balances and moves, using energy transferred from wind or gravity, as it overcomes friction to demonstrate inertia & move "on its own". (Deliver a cargo of 2 pennies?)