GEAR UP SCIENCE DAY

Theme: Scale and Proportion and Engineering Practices

MARCH 6, 2021
9:00AM - 3:00PM
OAK CANYON JUNIOR HIGH
111 SOUTH 725 EAST
LINDON, UT 84042

Light breakfast served at 8:30AM
Lunch provided

Register here: https://tinyurl.com/y58folj8
Activities for the day and science the topics they apply to:

#1 Building and launching a hot air balloon. From small scale model to building and launching a balloon with your students. We will provide a hot air balloon launcher for each school that has teachers attend. (Scale models, buoyant force, density, pressure, gravity)

#2 How big is the solar system, build your own correct scale model that will be different for each participant. (Size and scale can be adjusted to any activity that you use when trying to teach conceptual size of systems.)

#3 Mission to Mars, using pressurized bottles to design and engineering a protection device to pound an instrument (egg) into Mars and have the instrument (egg) still be functional. Each teacher will take home the bottle launching apparatus to have the materials needed to continue to do this activity. (Engineering design, scale models, science and engineering practices.)

#4 Depending on weather—solar energy and the collection of energy to cook food, pasteurize water. Take home the cooking vessels and build and take home the solar cooker to use. (Energy and scale, size of collectors)