

New York State P-12 Science Learning Standards (NYSSLS)

MS. Engineering Design

- ✓ Complete Standard for New York Middle School - Human Impacts Standard
- ✓ MS-ETS1-1, ETS1-2, ETS1-3, ETS1-3
- ✓ The Bundle will SAVE you 70%



UPGRADE to the Bundle



This Bundle:

- Get immediate access to my **COMPLETE** New York State Middle School Curriculum
- Every standard covered at a **HUGE DISCOUNT**

New York Middle School Science Curriculum

New York State P-12 Science Learning Standards (NYSSLS)

- ✓ Standards are directly aligned to New York State Middle School Science Standards according to the New York State Education Department
- ✓ The Bundle will SAVE you 80%

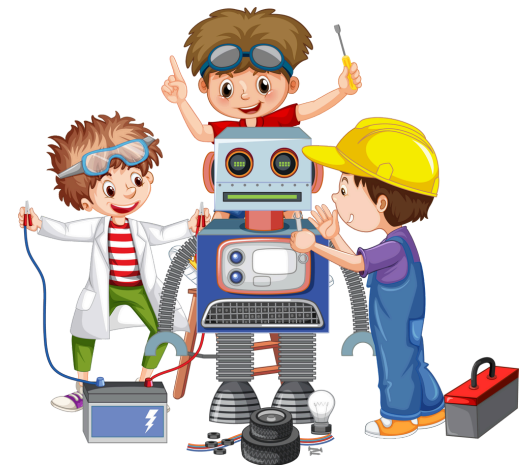


Click here to have a look

Resources Included

MS-ETS1-1, ETS1-2, ETS1-3, ETS1-3

- The Scientific Method – Lesson
- STEM Challenge Journal
- Pasta Bridge STEM Engineering Challenge
- Straw Tower STEM Engineering Challenge
- Balloon-Powered Rocket STEM Engineering Challenge
- Marshmallow Catapult STEM Engineering Challenge
- Scientific Method MandM Activity
- Paper Bridge STEM Engineering Challenge
- Egg Drop STEM Engineering Challenge
- Paddle Boat STEM Engineering Challenge
- Simple Telescope STEM Engineering Challenge
- The Electric Home - Electricity PBL Project
- Paper Towel Absorbency Test
- Paper Ball Run STEM Engineering Challenge
- Wind-Powered Car STEM Engineering Challenge
- Pasta Tower STEM Engineering Challenge
- Portable Water Purification STEM Engineering Challenge
- Portable Water Purification – Reading The Scientific Method PBL
- Crash Course KIDS Video Worksheet – ENGINEERING
- Solar Oven STEM Engineering Challenge
- Oil Spills and Their Consequences - Reading



Bundles Included

NGSS MS-ETS1

Engineering Design

Full Standard BUNDLE

- ✓ Everything You Need to Teach NGSS MS-ETS1
- ✓ Lessons, Activities, Labs, Projects, and more
- ✓ MS-ETS1-1, MS-ETS1-2, MS-ETS1-3, MS-ETS1-4



MS-ETS1 Engineering Design Process - Activity Bundle

MS-ETS1-1, ETS1-2, ETS1-3, ETS1-4



- ✓ Hands-On Engineering Design Challenges
- ✓ Fully NGSS Aligned (MS-ETS1-1 to MS-ETS1-4)
- ✓ No-Prep Print-and-Go Activities
- ✓ Critical Thinking + Collaboration

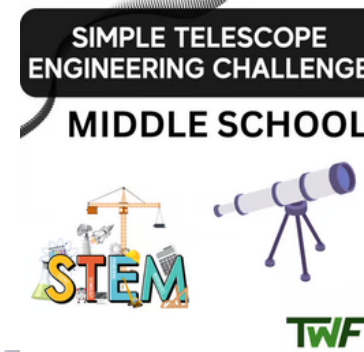
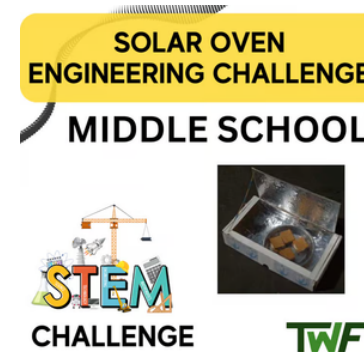
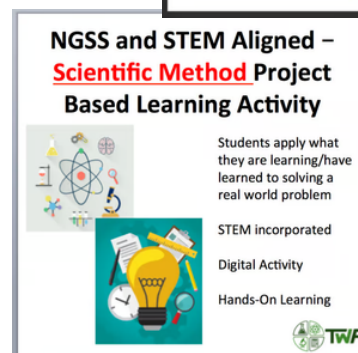
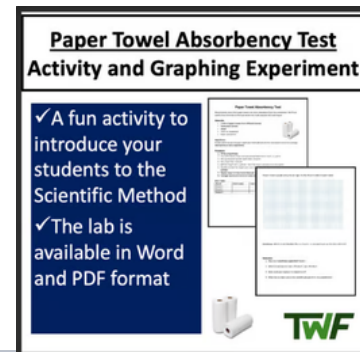
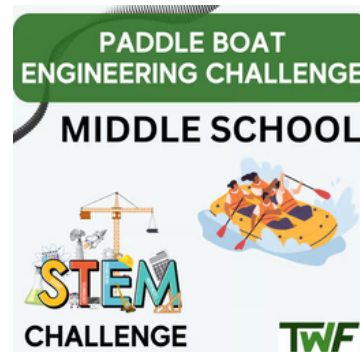
Everything You Need to Teach Middle School Engineering Design in New York State using NYSSLS

Complete Lesson

Activities

Labs

Projects



The Scientific Method

- Introduction and Question
- Controlling the Variables
- Making a Hypothesis
- Writing a Procedure
- Performing the Experiment
- Observing and Recording Data
- Analyzing the Results
- Graphing
- Discussion

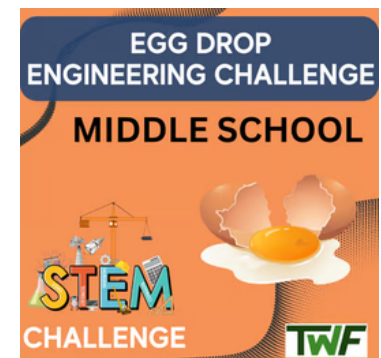


Reading Comprehension Passage & Questions

Oil Spills and Their Consequences

6th, 7th, and 8th Grade Science

- ✓ No Prep, Ready-to-Use Resource in Google and Office Format
- ✓ Includes Comprehension and Extension Questions



The Standard is Explained and the Resources it Incorporates are Outlined

MS. Engineering Design – New York State – Middle School

MS-ETS1-1. Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

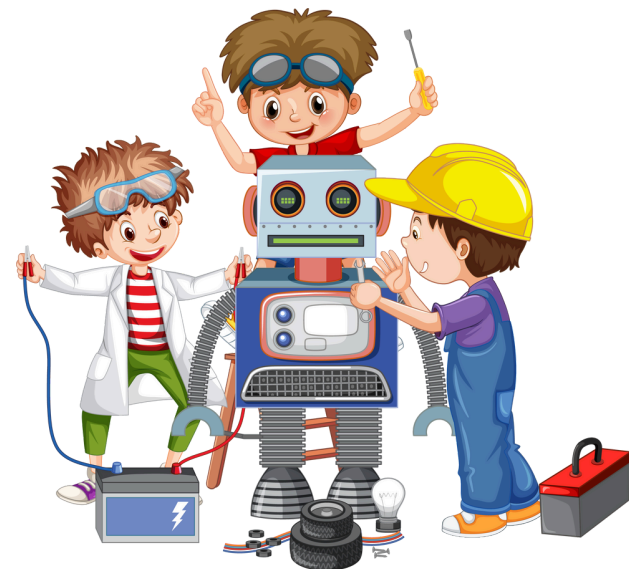
MS-ETS1-2. Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

MS-ETS1-3. Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.

MS-ETS1-4. Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.

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Who is this Bundle for?

- Teachers who teach middle school science in **New York State** and use the **NYSSLS** NGSS.
- Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard.
- Teachers who don't have time to develop their own resources or organize what to teach and when.

