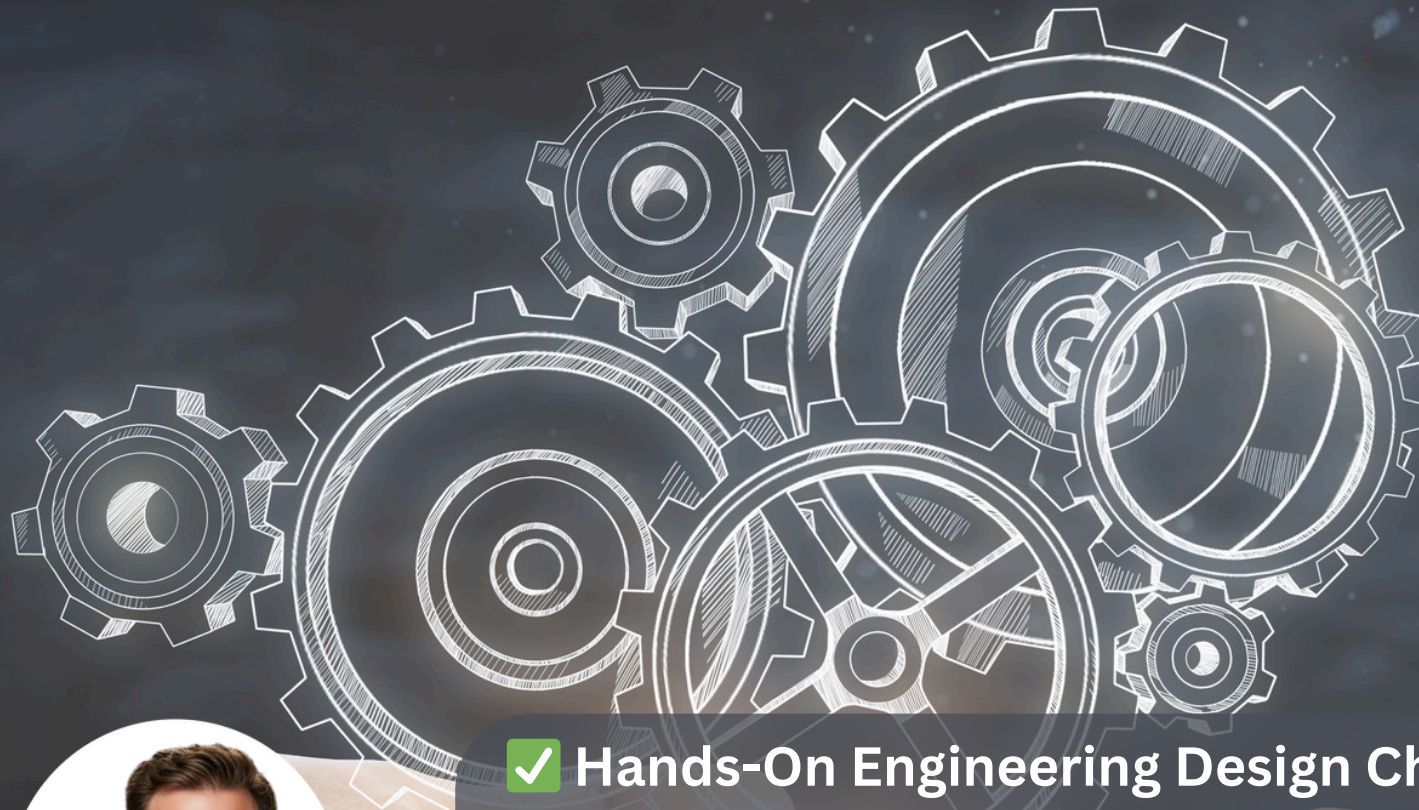


MS-ETS1 Engineering Design Process - Activity Bundle

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

MS-ETS1 Engineering Design Process Activity Bundle

- ✓ **Hands-On Engineering Design Challenges**
- ✓ **Fully NGSS Aligned (MS-ETS1-1 to MS-ETS1-4):** Supports all middle school engineering standards through real-world problem solving.
- ✓ **No-Prep Print-and-Go Activities:** Everything needed for project-based learning in grades 6–8 is included.
- ✓ **Critical Thinking + Collaboration:** Encourages creativity, testing, and revision in a structured design process.

SOLAR OVEN ENGINEERING CHALLENGE

MIDDLE SCHOOL



CHALLENGE



TWF

WIND-POWERED CAR ENGINEERING CHALLENGE

MIDDLE SCHOOL



CHALLENGE



TWF

Portable Water Purification

Science Reading Comprehension

Article - Grade 8 and Up



TWF

Improve your students' Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or Create Applicability in your Classroom

PASTA TOWER ENGINEERING CHALLENGE

MIDDLE SCHOOL



CHALLENGE



TWF

PAPER BRIDGE ENGINEERING CHALLENGE

Middle School



ACTIVITY



TWF

PASTA BRIDGE ENGINEERING CHALLENGE

MIDDLE SCHOOL



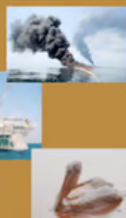
CHALLENGE



TWF

Oil Spills and Their Consequences

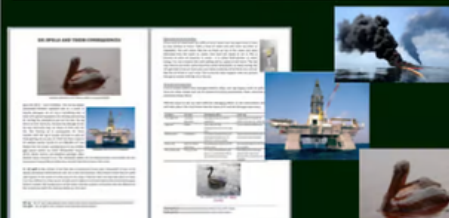
Scientific Reading
Comprehension Article



Improve your students Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom

Oil Spills and Their Consequences

Scientific Reading Comprehension
Article – Grade 5-7



Improve your students Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom

The Electric Home



A Problem-Based Learning Project



Why You'll Love This Resource



 **Saves You Time** – No Prep - Ready to use in minutes.

 **Boosts Scientific Literacy** – Helps students strengthen reading comprehension and analysis skills while covering key engineering topics.

 Students will define design problems with clear criteria and constraints, evaluate competing solutions, analyze test data, and develop models for iterative testing.