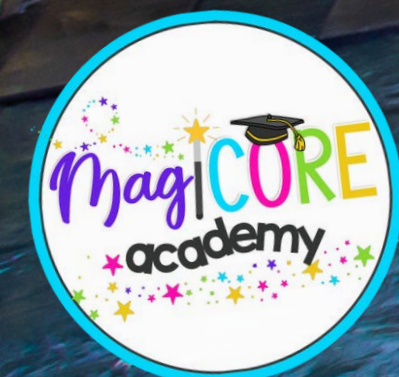


DIGITAL LESSON



NATURAL HAZARD DESIGN SOLUTIONS



DIGITAL LESSON

NATURAL HAZARD DESIGN SOLUTIONS



WHAT ARE LIGHTNING LESSONS?

Short, engaging, fully digital lessons that:

- Introduce and Build Tier 3 Academic Vocabulary
- Introduce Key concepts with engaging videos or digital lessons
- Include a Practice Activity
- Include a short quiz or assessment

DIGITAL LESSON

NATURAL HAZARD DESIGN SOLUTIONS

chalky adj (not, less) 'chalkiness n (U).
'chalkboard n = BLACK
chal-lenge' /'tʃælndʒ/ n
invitation or call (to sb)
contest, fight etc to prove
more able, etc: issue/acce
given by a sentry to stop

KEY VOCABULARY

INTRODUCE NATURAL HAZARD DESIGN SOLUTIONS VIDEO

MANILA FLOOD PLAN 780L READER

MATCH HAZARD DESIGN SOLUTIONS WITH PROBLEM

QUIZ

EASY TO NAVIGATE HUB

Perfect for whole class instruction on a smart board or projector.

★ or ★

Independent student work, center, or intervention

VOCABULARY

TYPHOONS

SEISMIC ENERGY

NATURAL HAZARD

CLIMATE CHANGE

URBANIZATION



A typhoon is a big, spinning storm that forms over warm ocean water and can bring lots of wind and rain.



Climate change means the Earth's weather patterns are changing, leading to warmer temperatures, melting ice, and strange weather.



Urbanization is when more and more buildings and roads are built as people move to cities to live and work.



A natural hazard is something dangerous that happens in nature, like a volcano erupting or a flood.

CONTINUE

INTERACTIVE VOCABULARY CARDS

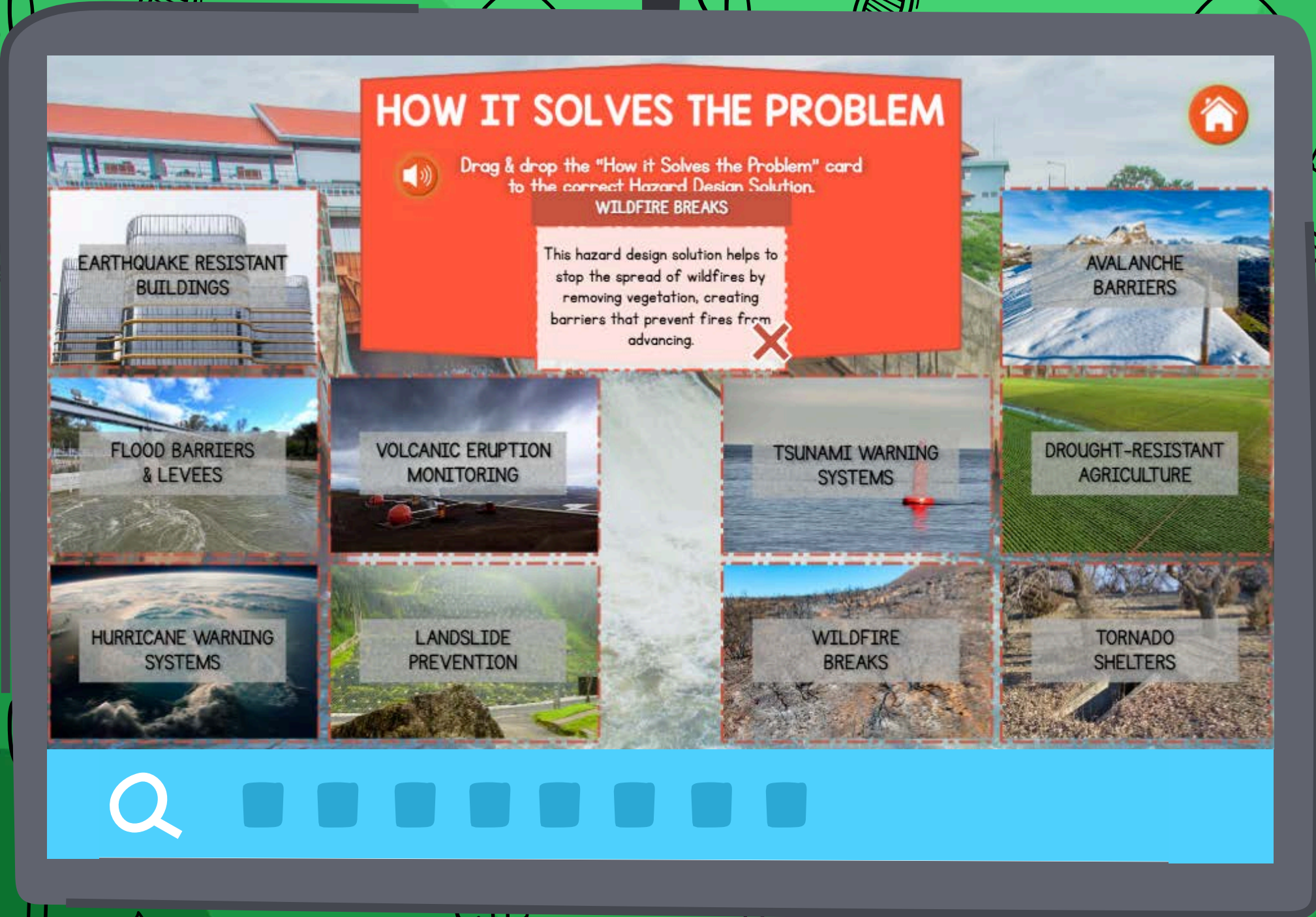
- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity



NATURAL HAZARD DESIGN SOLUTIONS

ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key
vocabulary



INTERACTIVE ACTIVITY

Short activity to practice concepts learned in video lesson

AWESOME!

YOU MADE IT
TO THE END!



CONTINUE

SELF ASSESS

Immediate student or class
feedback on activities and
multiple choice questions.



INTERACTIVE READER

- Standards Based
- Lexile Leveled
- Nonfiction
- Application of Science Skill
- Interactive
- Quiz based on reader

QUESTION 2: What does the Thames Barrier in London primarily protect against?

- Storm surges and high tides
- Earthquakes
- Volcanic eruptions
- Snowstorms

SUBMIT

QUIZ

- Multiple choice and short response questions
- Encourages students to refer back to the video
- Multiple choice questions give immediate feedback to students

Balanced & Unbalanced Forces Answer Recording Sheet

Type your name here



- Activity 1a: The car hit the wall.
- Activity 1b: The wall pushes back against the car.
- Activity 2: Answered Correctly
- Activity 3: Scientists use crash test dummies to study unbalanced forces. They put sensors all over the dummies body to measure the forces they feel. Then, they mimic real car crashes in a lab so they can measure the forces a human would experience.
- Quiz 1: Force is a push or pull on an object.
- Quiz 2: Answered Correctly
- Quiz 3: When a car is moving down the highway.
- Quiz 4: Unbalanced forces happen when the forces are not equal.
- Quiz 5: The foot has more force than the ball and gravity.
- Quiz 6: The ball stops because the forces become balanced.
- Quiz 7: They can help us stay safe like the example with crash test dummies.



TEACHER REVIEW

Student responses are reported at the end of the lesson for students to print or teachers to review.