

DIGITAL LESSON

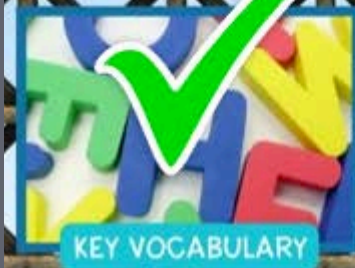
LIGHTNING
LESSON

POTENTIAL & KINETIC ENERGY



DIGITAL LESSON

POTENTIAL & KINETIC ENERGY



KEY VOCABULARY



INTRODUCE POTENTIAL
& KINETIC ENERGY



SORT



LET'S SWING READER

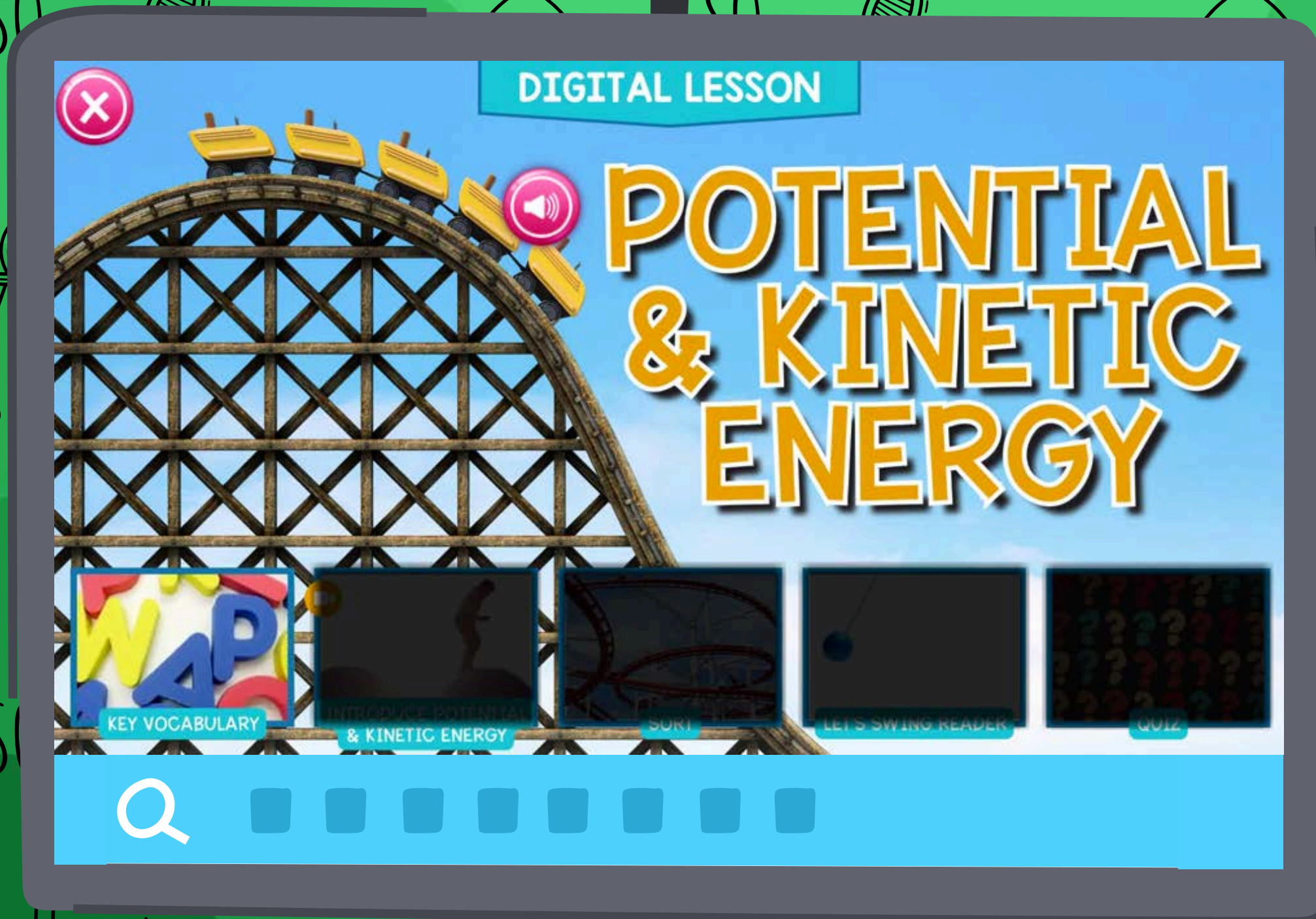


QUIZ

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

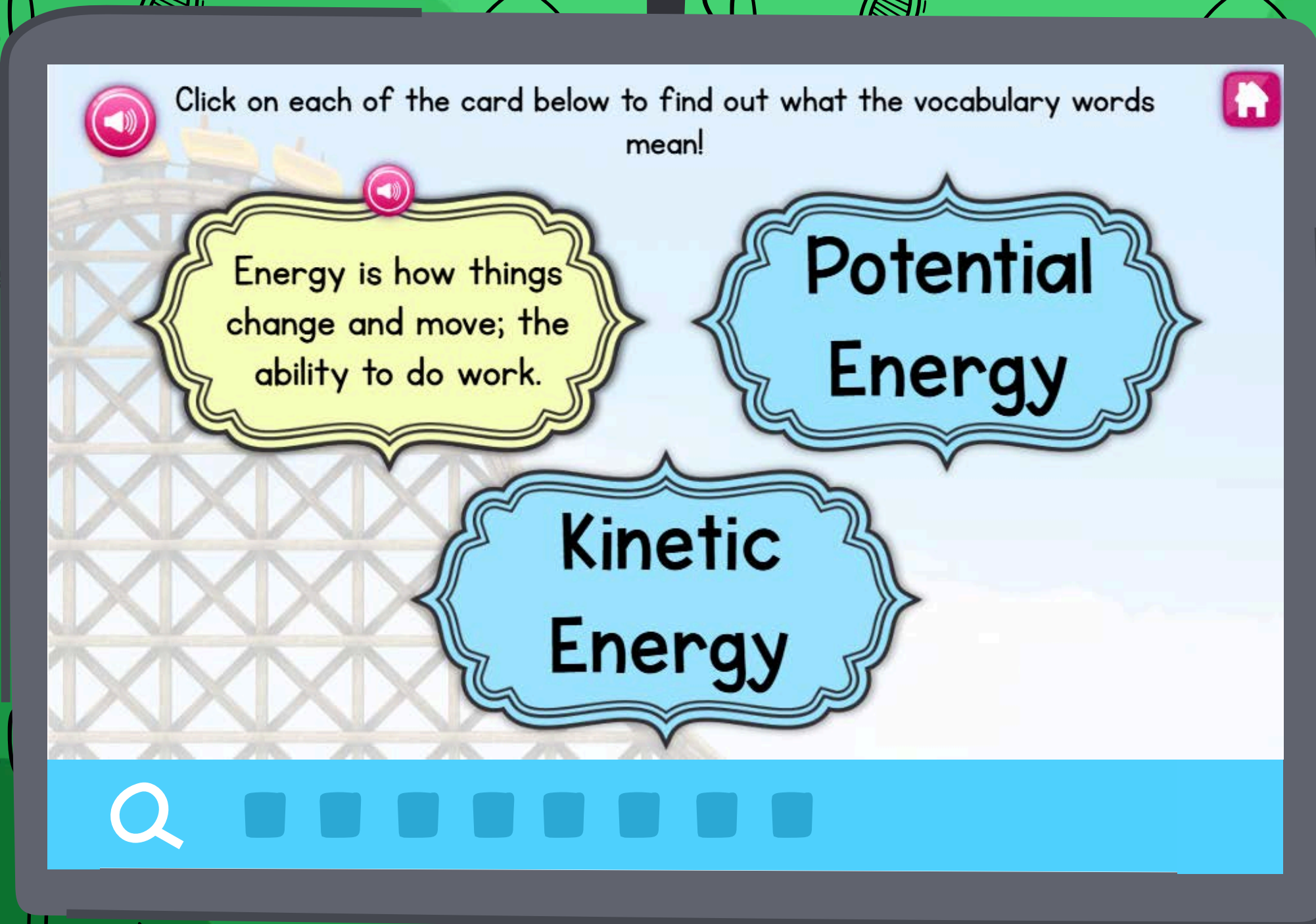


EASY TO NAVIGATE HUB

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

★ or ★

Independent student work, center, or intervention



INTERACTIVE VOCABULARY CARDS

- Introduce Tier 3, Academic Vocabulary
- Audio
- Interactivity

The Power of Energy

Video Mini Lesson



ORIGINAL VIDEO LESSON BY MAGICORE ACADEMY

Introduces concept and key
vocabulary



Sort the scenarios below by deciding whether they are Potential or Kinetic Energy!



 A drawn slingshot- The slingshot is pulled back, and energy is stored, ready to be released.	Potential Energy Kinetic Energy	 A flying kite - It moves and twists in the wind, showing off its kinetic energy.	Potential Energy Kinetic Energy
 A rolling ball - As it moves, it's using energy.	Potential Energy Kinetic Energy	 A book on a shelf - Elevated from the ground, it has energy due to its position.	Potential Energy Kinetic Energy
 A roller coaster at the top of a hill - Just before it rushes down, it's packed with stored energy.	Potential Energy Kinetic Energy	 Running water - Flowing down a stream, it's constantly moving.	Potential Energy Kinetic Energy
 A stretched rubber band - The more you stretch, the more energy is stored.		Potential Energy Kinetic Energy	

SUBMIT



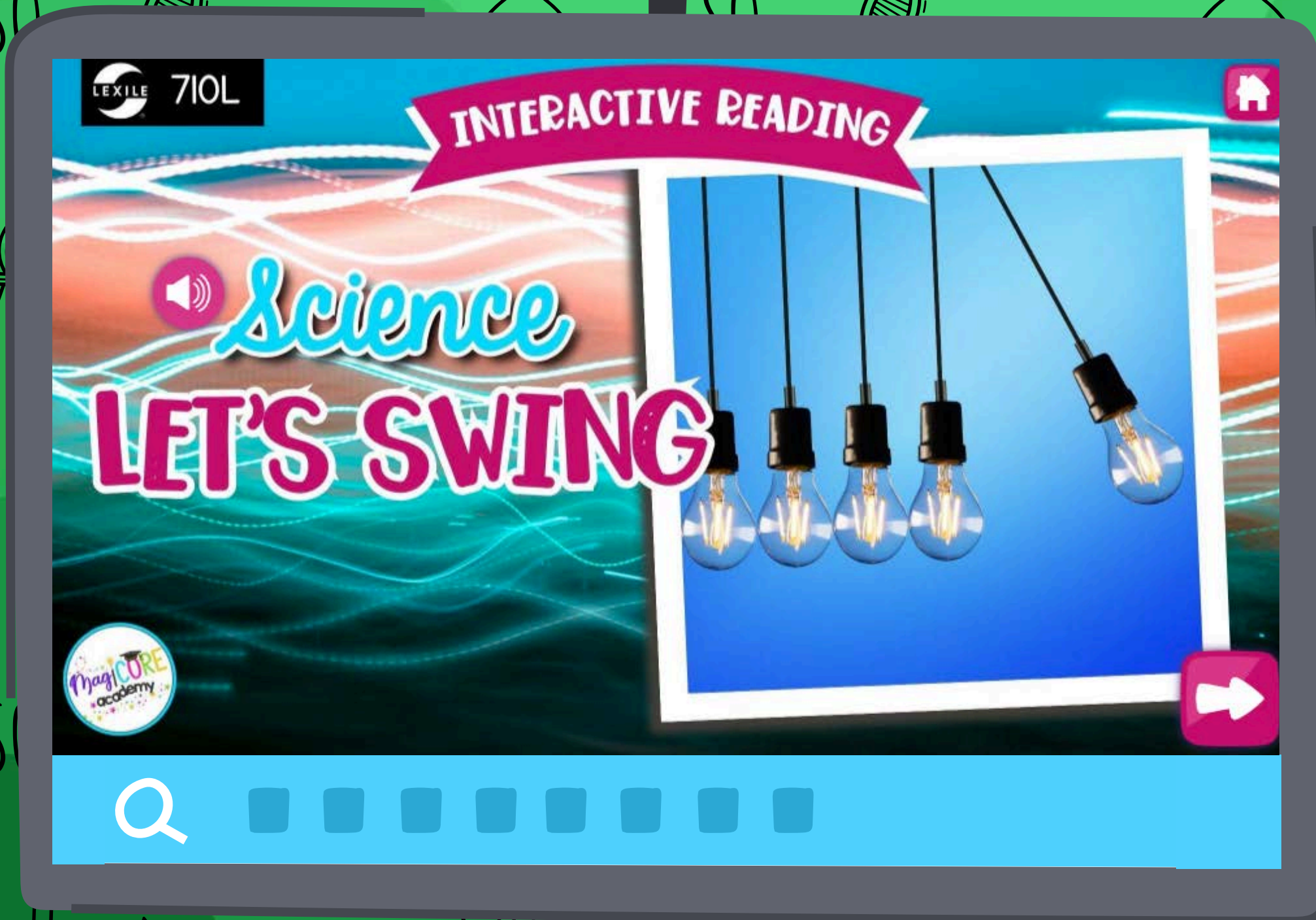
INTERACTIVE ACTIVITY

Short activity to practice concepts learned in video lesson



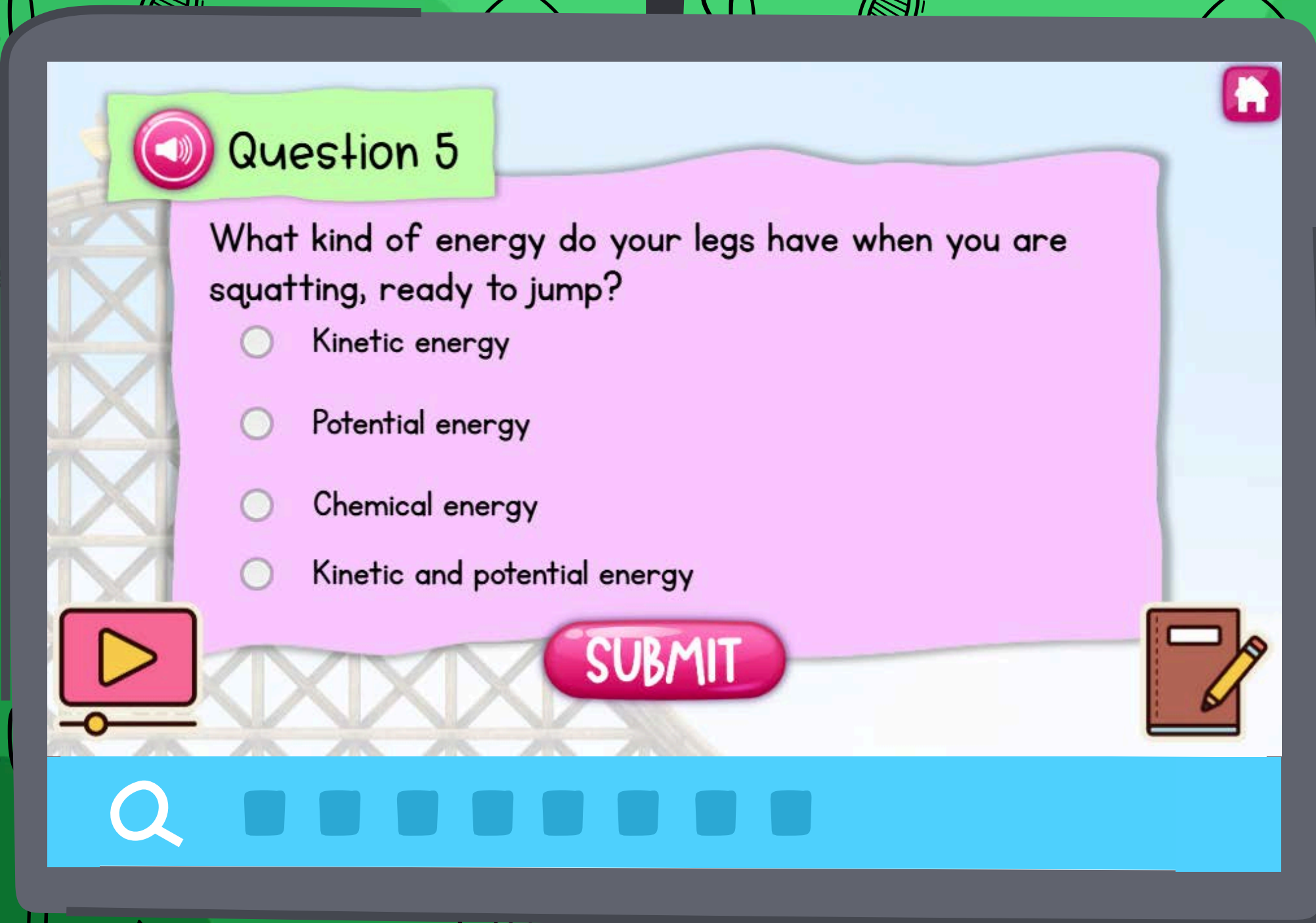
SELF ASSESS

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



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.

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OUR MEMBERSHIP?

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- Self-correcting for immediate student feedback
- Lexile levels & audio read aloud options
- Engaging animation

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