

# Core Knowledge Digital Engagements, Science

## Grade 2, Physical Science, Engagement 3

### For the Teacher

#### Overview of Grade 2, Physical Science, Engagement 3

In this whole-class, teacher-facilitated activity, students answer questions to uncover the parts of a complete image. At completion, the image is assembled and revealed.

#### What You Need

- The means to project this interactive for whole-class viewing
- Grade 2 Core Knowledge Science Student Readers, *Electricity and Magnetism* (Students should be allowed to use the book to seek answers. Looking up information on demand is a valuable skill to practice!)

#### Advance Preparation

- Plan a way to keep track of which students have already answered and which students are still eligible for a turn. Collectively, the screens include thirty questions, so each student in class should get at least one turn.
- **Download these instructions.** The download will include your **Answer Key**.

#### How to Facilitate

- Beginning with the screen following this one, project the engagement in the largest format possible for whole-class viewing.
- Clicking on most text on the screen activates voice audio of the text. Or you may choose to do the reading aloud for students.
- Go over expectations with students before beginning.
- Call on students to participate one at a time.
- Have each student navigate as you click on questions. If the answer is incorrect, the robot piece will not be revealed. You can choose to move on to another student or allow students to make multiple attempts for incorrect answers.
- If you have more questions than students, after all students have had a turn to answer a question, allow volunteers to have a second turn. Or complete the remaining questions as a group.

(continued)

## Answer Key

1. electricity
2. thunder
3. power outage
4. B. lightning striking a power line
5. because they need electricity to function
6. D, B, A, C
7. electrical sockets
8. They get electricity by being connected directly to the house's electrical wiring.
9. They are plugged in to charge and store energy for later use.
10. power tools like a drill, saw, and electric lawn mower
11. because they run out of energy and need to be charged
12. C. The electricity in the sockets is dangerous.
13. static electricity and current electricity
14. static
15. the type of electricity that flows through wires to power homes
16. static
17. When two objects rub together, electrons pass, building up static electricity
18. because lightning is a very powerful charge that can jump from the clouds to the ground
19. B.
20. D. through the wires
21. B. You rub a balloon on your hair.
22. The crank makes electricity to power the light.
23. batteries
24. rechargeable
25. It runs out of stored energy and needs to be replaced or recharged.
26. A. microwave
27. from power plants
28. C. a place where electricity is made
29. a power plant
30. by traveling through power lines