



# MOZA MACK SCIENCE

## STUDENT GUIDE

### II. Watch Mosa Mack.

Either on your own, in a small group or as a class (your teacher will let you know), watch Mosa Mack's episode on Potential and Kinetic Energy. Then, fill out the questions below. Include a time code in your answer as evidence of where you found your answer.

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

### Episode Questions

1. What is unique about the Cyclops Coaster?
2. What is the problem with the rollercoaster?
3. How does the energy box describe kinetic energy? When is kinetic energy highest?
4. How can more kinetic energy be added in order to get the car over the hill?
5. Besides mass, what else do Mosa and her team need to add to the Cyclops Coaster?
6. After observing the Caterpillar Rollercoaster, Mosa decides kinetic energy is coming from what?
7. When Billy holds his cone higher, what does that do?
8. What did Mosa figure out? How can they fix the Cyclops? (Answer Video)