

Name: _____

Date: _____

Reading About Non-Touching Forces

1. Read and annotate one of the three articles: “Magnetic Force and Rainbow Trout,” “Gravity and Bats,” or “Electrostatic Force and Bees.”
2. Choose and mark annotations to discuss with your partner. Once you have discussed these annotations, mark them as discussed.
3. Now, choose and mark a question or connection, either one you already discussed or a different one that you would like to discuss with the class.
4. Answer the reflection question below.

Rate how successful you were at using Active Reading skills by responding to the following statement:

As I read, I paid attention to my own understanding and recorded my thoughts and questions.

- Never
- Almost never
- Sometimes
- Frequently/often
- All the time

Active Reading Guidelines

1. Think carefully about what you read. Pay attention to your own understanding.
2. As you read, annotate the text to make a record of your thinking. Highlight challenging words and add notes to record questions and make connections to your own experience.
3. Examine all visual representations carefully. Consider how they go together with the text.
4. After you read, discuss what you have read with others to help you better understand the text.

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Second Read of “Magnetic Force and Rainbow Trout,” “Gravity and Bats,” or “Electrostatic Force and Bees”

Part 1

Reread paragraph 2 of the article you just read. Then describe what you read to each of your group members. As a group, decide which information to highlight. You’re looking for information that helps you understand what the force you read about has in common with the other two non-touching forces that your group members read about. This information will help you answer the questions in Part 2.

What do gravity, electrostatic force, and magnetic force have in common?

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Second Read of “Magnetic Force and Rainbow Trout,” “Gravity and Bats,” or “Electrostatic Force and Bees” (continued)

Part 2

1. Think back to the investigations you did in class about non-touching forces. What new information from the article can you use to explain one of the investigations?

2. A space scientist wants to figure out if a magnetic field is present on one of Jupiter’s moons. What could she do to gather evidence about this question?
