Lesson 7

**Instructional Targets**

**Reading Standards for Literature**

- **Range and Level of Text Complexity:** Experience grade level and age-appropriate literature materials, including poems, biographies, chapter books, fiction and nonfiction works, that are adapted to student reading level.

- **Key Ideas and Details:** Answer questions and use support from text to explain the main ideas, details and inferences of a story.

Which of your state standards are aligned to these instructional targets?

**Classroom Activities/Lesson Plan**

**Chapter 3: “What Is Gravity?”**

The title of the Chapter Book is *Make It Move*. The third chapter, “What Is Gravity?” describes the force that pulls everything down to the ground. Gage learns about gravity when he jumps, plays basketball, knocks a glass over and sees his dad climb a ladder.

- Chapter books present a “reading to learn” experience. Therefore, chapter books may be read by the student independently, in a shared reading experience or read aloud. Present one chapter at a time for reading and comprehension.

- After each page is read, ask the discussion question that is in italics at the bottom of each page. Focus on pictures on each page to reinforce understanding. Repeated readings are encouraged.

Suggested Reading Levels for this chapter include Levels H/I, presented in a text format, and Level D presented in both text and symbol-supported formats.

**Read and Answer**

Comprehension activities extend beyond “checking” what students remember from reading. During instruction, students learn to refer to the book, using both illustrations and text to locate answers to questions. Students recognize types of responses appropriate to who, what and where formats. Question responses may also provide students with a foundation for story retell. Activities should be repeated throughout the unit to increase students’ skills in multiple areas of comprehension.

- Select the level of comprehension questions appropriate to each student. Comprehension questions are also in three formats. Level 3 is text only. Level 2 is symbol-supported. Level 1 is written in sentence strip format, allowing students to select from multiple choices or one errorless picture choice.

- Build comprehension and vocabulary through discussions.

**Standards Connection**

- These standards connection lessons are designed to build summarizing skills and are applicable to all chapters. Using the first standards connection form, determine whether this book is a work of fiction or nonfiction. Select the additional standards connection lesson based on whether the chapter is a fictional format that has a story line or an informational text that includes facts and historical events.

The first two sets of comprehension questions are derived from the lower levels of text. An advanced level of mixed questions is provided in text-only format.

*Pre- and post-assessments are available through Monthly Checkpoints.*

**Differentiated Tasks**

<table>
<thead>
<tr>
<th>Level 3</th>
<th>Level 2</th>
<th>Level 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will independently read literature forms, including chapter books, biographies, poems, fiction and nonfiction works that have been adapted to student reading level.</td>
<td>Students will read supported and shared literature forms, including chapter books, biographies, poems, fiction and nonfiction works that have been adapted to student reading level.</td>
<td>Students will actively participate in supported reading of literature forms, including chapter books, biographies, poems, fiction and nonfiction works that have been adapted to student ability level.</td>
</tr>
<tr>
<td>Students will independently read questions about a story and write, speak or select an answer.</td>
<td>Students will point to or select a picture from a choice of three in response to a question about a story.</td>
<td>Students will respond to a question by choosing a single option or errorless picture.</td>
</tr>
</tbody>
</table>

**Resources and Materials**

- Chapter 3: “What Is Gravity?”
- Communication board
- Comprehension worksheets and sentence strips (multiple-choice and fill-in); Advanced questions
- Standards Connection Lessons 3, 5, 7, 9, 11, 13

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### Fill-In Answer Key

<table>
<thead>
<tr>
<th>down</th>
<th>Gravity</th>
<th>fall</th>
<th>pull</th>
<th>ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>_____</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Gravity</td>
<td>keeps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Gravity</td>
<td></td>
<td>_____</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Gravity</td>
<td></td>
<td></td>
<td>_____</td>
</tr>
<tr>
<td>5.</td>
<td>Dad</td>
<td></td>
<td></td>
<td>_____</td>
</tr>
</tbody>
</table>

### Multiple-Choice Answer Key

<table>
<thead>
<tr>
<th>1. What is this chapter about? (basketball, dad, gravity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Where did gravity pull the ball? (down, up, bike)</td>
</tr>
<tr>
<td>3. Where does gravity keep our feet? (in the air, on the ground, on the ball)</td>
</tr>
<tr>
<td>4. What does gravity do to a glass that is bumped? (cleans up, pulls down, bounces away)</td>
</tr>
<tr>
<td>5. What is important to know about this chapter? • A glass can break. • Gage likes basketball. • Gravity pulls things down.</td>
</tr>
</tbody>
</table>

### Fill-In Advanced

Use the Chapter Book to help you fill in the blank.

<table>
<thead>
<tr>
<th>1. Gravity is a _____.(force)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Without gravity, everything would _____.(float)</td>
</tr>
<tr>
<td>3. Gage uses force to throw the _____.(ball)</td>
</tr>
<tr>
<td>4. Gravity can pull a glass that is bumped down to the _____.(ground)</td>
</tr>
<tr>
<td>5. Gage’s dad could _____ to the ground.(fall)</td>
</tr>
</tbody>
</table>

### Multiple-Choice Advanced

These questions may have more than one correct answer.

<table>
<thead>
<tr>
<th>6. What is a force that pulls things down? (gravity, motion, Earth)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. What would float into space without gravity? (people, bikes, houses)</td>
</tr>
<tr>
<td>8. What does Gage use to throw the ball? (force, gravity, pull)</td>
</tr>
<tr>
<td>9. What does gravity do to the glass?  • fills it up  • pulls it down  • makes it float</td>
</tr>
<tr>
<td>10. Why do we need to be careful on a ladder?  • We could fall.  • We could fix things.  • We could get hurt.</td>
</tr>
</tbody>
</table>
Chapter 3: What Is Gravity?
**Gravity:** the force that pulls everything down to the ground.
Gravity is a force. It is the force that pulls things down to the ground. Gravity keeps our feet on the ground. Gage stands up. He jumps up. He comes back down to the ground. Gravity pulls him back down to the ground.

What does gravity do?
Gravity keeps everything in place. If Earth did not have gravity, everything would float into space. Houses, cars, bikes and people would not stay on the ground.

What would happen if we did not have gravity?
Gage throws a basketball. The ball goes up. The ball goes through the hoop. Then the ball falls down to the ground. Gage used force to throw the basketball up to the hoop. Gravity pulled the ball back down to the ground.

*What does gravity do to a basketball?*
Gage gets a drink of water after playing ball. He puts the glass on the table. Oops! His arm bumps the glass. It falls to the floor. CRASH! Gage bumped the glass off the table. Gravity pulled the glass to the ground.

*What does gravity do to the glass of water?*
Gage cleans up the mess and goes outside. Gage's dad is on the ladder fixing the roof. Gage knows that if his dad slips on the ladder, gravity will pull him down to the ground. "Be careful, Dad. Don't fall," says Gage.

*Why would we land on the ground if we fell off a ladder?*
Chapter 3:
What Is Gravity?
Gravity: pulls down.
Gravity pulls things down to the ground. Gravity keeps our feet on the ground.
Gravity keeps everything in place. Houses, cars and people would float without gravity.
The ball goes up. The ball goes down. Gravity pulled the ball down.
Oops! Gage bumps the glass.

CRASH! Gravity pulls the glass to the ground.
Dad is on the ladder. If dad slips, gravity will pull him down. "Be careful, Dad. Don't fall!"
Chapter 3: What Is Gravity?
Gravity: pulls down.
Gravity pulls things down to the ground.

Gravity keeps our feet on the ground.
Gravity keeps everything in place.

Houses, cars and people would float without gravity.
The ball goes up.

The ball goes down.

Gravity pulled the ball down.
Ooops! Gage bumps the glass.

CRASH! Gravity pulls the glass to the ground.
Dad is on the ladder.

If dad slips, gravity will pull him down.

"Be careful, Dad. Don't fall!"
<table>
<thead>
<tr>
<th>pull</th>
<th>keep</th>
<th>down</th>
<th>to</th>
<th>gravity</th>
<th>things</th>
<th>ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>float</td>
<td>go</td>
<td>on</td>
<td>in</td>
<td>feet</td>
<td>everything</td>
<td>place</td>
</tr>
<tr>
<td>bump</td>
<td>crash</td>
<td>without</td>
<td>up</td>
<td>house</td>
<td>car</td>
<td>people</td>
</tr>
<tr>
<td>slip</td>
<td>fall</td>
<td>careful</td>
<td></td>
<td>ball</td>
<td>Gage</td>
<td>glass</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>dad</td>
<td>ladder</td>
<td></td>
</tr>
</tbody>
</table>
1. **pulls things down to the ground.**

2. Gravity keeps our feet on the **ground**.

3. Gravity pulled the ball **down**.

4. Gravity can **pull** a glass to the ground.

5. Dad could **fall** to the ground.
Chapter 3: What Is Gravity?

1. [ ] pulls things down to the ground.

2. Gravity keeps our feet on the [ ].

3. Gravity pulled the ball [ ].

4. Gravity can [ ] a glass to the ground.

5. Dad could [ ] to the ground.
1. Gravity pulls things down to the ground.

- **down**
- **Gravity**
- **fall**
- **pull**
- **ground**
2. Gravity keeps our feet on the ground.
3. Gravity pulled the ball.
Chapter 3: What Is Gravity?

4. Gravity can make a glass fall to the ground. framebuffer

down Gravity fall pull ground

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5. Dad could pull the flowers to the ground.
1. What is this chapter about?
   a. basketball  b. dad  c. gravity

2. Where did gravity pull the ball?
   a. down  b. up  c. bike

3. Where does gravity keep our feet?
   a. in the air  b. on the ground  c. on the ball

4. What does gravity do to a glass that is bumped?
   a. cleans up  b. pulls down  c. bounces away

5. What is important to know about this chapter?
   ○ a. A glass can break.
   ○ b. Gage likes basketball.
   ○ c. Gravity pulls things down.
Chapter 3: What Is Gravity?

1. What is this chapter about?
   a. basketball
   b. dad
   c. gravity

2. Where did gravity pull the ball?
   a. down
   b. up
   c. bike

3. Where does gravity keep our feet?
   a. in the air
   b. on the ground
   c. on the ball

4. What does gravity do to a glass that is bumped?
   a. cleans up
   b. pulls down
   c. bounces away

5. What is important to know about this chapter?
   ○ a. A glass can break.
   ○ b. Gage likes basketball.
   ○ c. Gravity Pulls things down.

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HS, Unit 22, Physical Science, Moving Fast! Moving Carefully!
Lesson 7, Chapter 3, What Is Gravity?, Multiple-Choice Level 2
1. What is this chapter about?

basketball  dad  gravity
2. Where did gravity pull the ball?
3. Where does gravity keep our feet?

- in the air
- on the ground
- on the ball
4. What does gravity do to a glass that is bumped?

- cleans up
- pulls down
- bounces away
5. What is important to know about this chapter?

- A glass can break.
- Gage likes basketball.
- Gravity pulls things down.
Chapter 3: What Is Gravity?

Use your chapter book to help you find answers to these questions:

1. Gravity is a __________.

2. Without gravity, everything would __________.

3. Gage uses force to throw the __________.

4. Gravity can pull a glass that is bumped down to the __________.

5. Gage's dad could __________ to the ground.
These questions may have more than one correct answer:

6. What is the force that pulls things down?
   ○ a. gravity
   ○ b. motion
   ○ c. Earth

7. What would float into space without gravity?
   ○ a. people
   ○ b. bikes
   ○ c. houses

8. What does Gage use to throw the ball?
   ○ a. force
   ○ b. gravity
   ○ c. pull

9. What does gravity do to the glass?
   ○ a. fills it up
   ○ b. pulls it down
   ○ c. makes it float

10. Why do we need to be careful on a ladder?
    ○ a. We could fall.
    ○ b. We could fix things.
    ○ c. We could get hurt.