

# GRAVITY, FORCE, AND MOTION

## Anchor Literature

Start-to-Finish novel  
*The Tuskegee Airmen*

## Book Summary

A young man named Henry fights for his country during World War II while also fighting against segregation and prejudice.

## Author's Intention

Tell a World War II story while introducing topics of segregation, racism, and fighting for civil rights.

## INSTRUCTIONAL ELEMENTS

### English Language Arts Standards

- Ask a “What?” Question
- Ask “Who?” Questions
- Ask a Question About the Meaning of Idioms
- Beginning, Middle, and End
- Cause and Effect
- Describe Characters
- Find and Remember Details
- Identify Feelings of a Character and Ask “Why?”
- Sequence of Events

### Science Topics

- Airplanes** | Learn facts about how airplanes are made.
- Force and Motion** | Watch videos about gravity and air resistance.
- Gravity** | Learn about Isaac Newton how he discovered gravity.
- Lift** | Read an article about how airplanes fly using gravity, lift, and thrust.
- Booker T. Washington**  
a biography about Booker T. Washington and the Tuskegee Institute

### Social Studies Topics

- Civil Rights**  
Read about black leaders like Martin Luther King, Jr. and Malcolm X and their fight for equal rights for all.
- Segregation**  
Use evidence to support claims that the Tuskegee Airmen helped end segregation.
- World War II** | Graph the number of African-American soldiers in World War II.
- Wright Brothers** | Watch a video to learn about the history of airplanes.

### Text Types Taught

- Article with a Sidebar
- Biography
- Claims and Evidence
- Compare and Contrast
- Directions
- Fantastic Facts
- Graph
- Map
- Timeline

### Selected Sight Words

against, America, black, can\*, country, father, read, school, use, white  
\*AAC Core Vocabulary Words

### Key Vocabulary Words (Content-specific)

adversity, air resistance, airship, aluminum, astronaut, bomber, Commemorative Air Force, discovery, enemy, force, gravity, high tide, jet engine, lift, low tide, military, missions, motion, orbit, propeller, recycle, Redtail Squadron, segregation laws, served, Space Station, thrust, values

### Instructional Terms Taught

argue / argument, article, biography, cause, character, claim, compare, contrast, describe / description, details, directions, effect, experiment, explain, evidence, fact, graph, identify, idiom, illustration, map, opinion, predict / prediction, sidebar, timeline

# GRAVITY, FORCE, AND MOTION

## FUNCTIONAL LITERACY / LIFE SKILLS

### Real Life Experience Activity

#### Daily Living Skills

- Caring for Personal Needs
- Utilizing Recreational Facilities and Engaging in Leisure
- Choosing and Accessing Transportation

#### Self-Determination and Interpersonal Skills

- Understanding Self-Determination
- Being Self-Aware
- Communicating with Others
- Good Decision Making
- Developing Social Awareness

#### Employment Skills

- Exploring Employment Choices
- Exhibiting Appropriate Employment Skills

## MATH

### Math Domains

- Money
- Statistics and Probability
- Geometry
- Expressions and Equations
- Number Sense
- Time

### Math Vocabulary Taught

after, bar graph, before, coins, data, different, dollar, during, equal, fraction, half, perimeter, side, whole

