

**STEM**  
*sports*<sup>®</sup>

science • technology  
engineering • math • sports

## **BASEBALL**

Module 2.0

Composition of a Baseball  
**GRADES 6th – 8th**

MODULE

2.0

GRADES  
6-8

## What Do You Need?

### Supplies Provided

Worksheets, Tape  
Measures, Cut Baseballs  
and Article

### Materials Needed

Pencils, Baseball Bat and  
Sport Balls: tennis, softball,  
and golf



## Test Your Knowledge

Have your students take this lesson's assessment prior to engaging by visiting:

<https://stemsports.com/assessments/>

If you have limited digital capability, please email [Info@STEMSports.com](mailto:Info@STEMSports.com) to access the Assessment & Key.

# Engage

Observe and examine  
the traits of a baseball.

# Explore

Read the article and review the manufacturing chart to understand the composition of a baseball. Use the [worksheet](#) as a guide.

# Explain

Learn about how Technology has affected and adapted the baseball. Use the [worksheet](#) as a guide.



## Elaborate

Using the [worksheet](#) as a guide, demonstrate how other sport balls function in comparison to a baseball.

# Evaluate

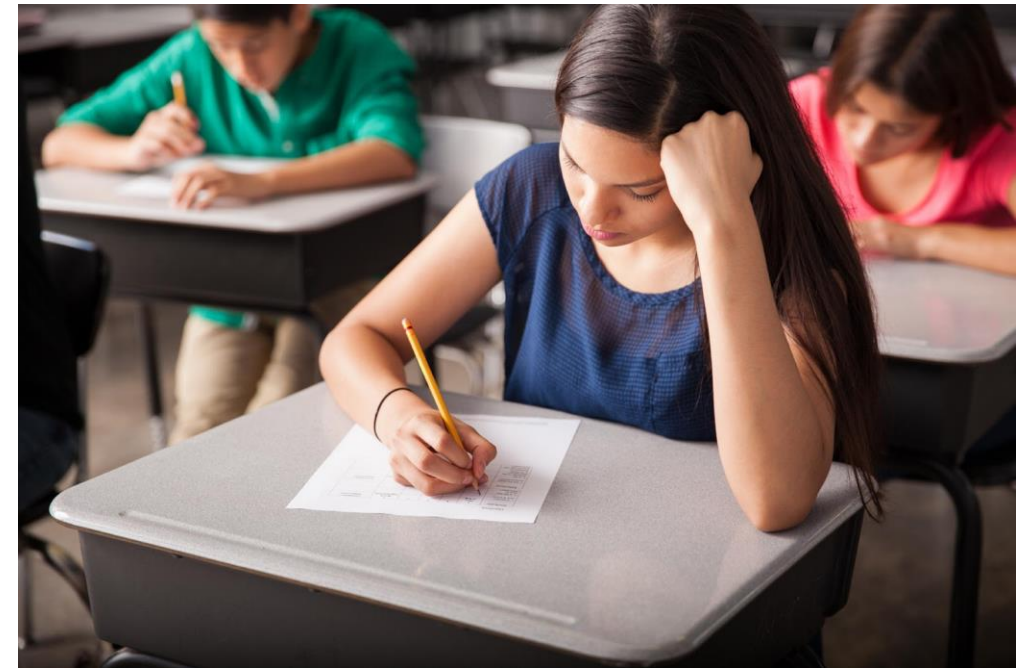
Explain how and why a baseball behaves differently than other sport balls. Use the [worksheet](#) as a guide.





## What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting: <https://stemsports.com/assessments/>. If you have limited digital capability, please email [Info@STEMSports.com](mailto:Info@STEMSports.com) to access the Assessment & Key.



**Extend**

## **Challenge Yourself!**

Select and research a type of material used in baseballs to further understand the manufacturing process.



# What is your Dream Job?

## STEM Jobs in Sports

- Ball Engineer
- Baseball Manufacturer
- Baseball: Materials Scientist
- Umpire
- Baseball: Product Manager

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