

STEM
sports[®]

science • technology
engineering • math • sports

SOFTBALL

Module 1.0

Softballs vs. Baseballs

GRADES 6th – 8th





MODULE
1.0

GRADES
6-8

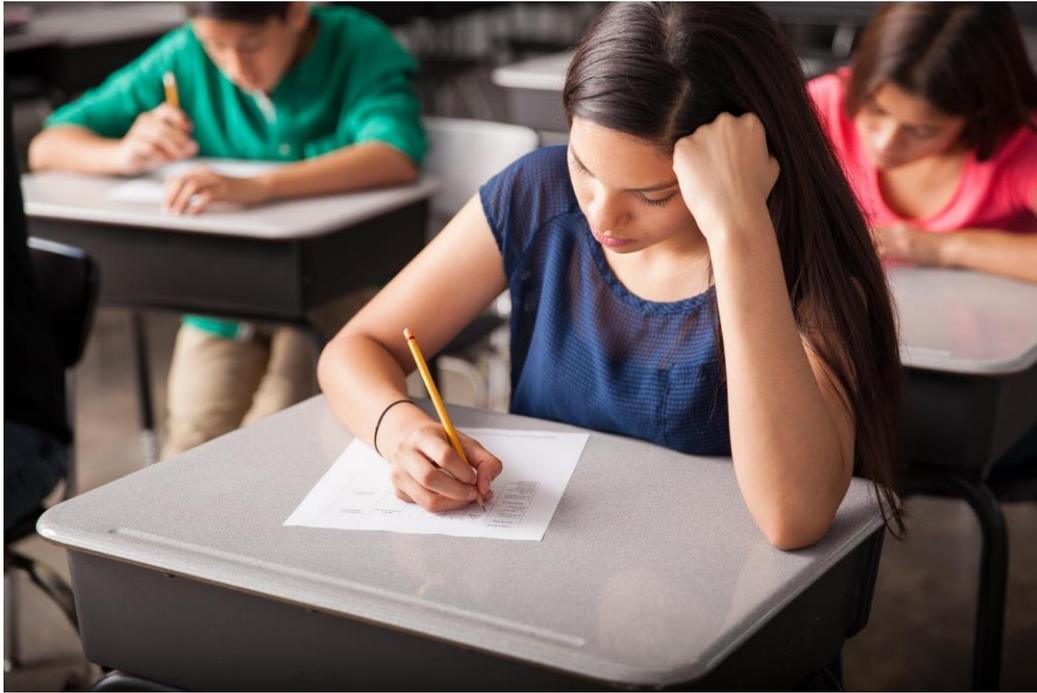
What Do You Need?

Supplies Provided

Worksheets, Softballs, Baseball,
Tape Measures, Weight Scale
and Digital Stopwatches

Materials Needed

Pencils and Calculators



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 to access the Assessment & Key.

Engage

Do you think a softball will travel farther, less far, or as far as a baseball?

Explore

Test your prediction. Use the worksheet as a guide.

Explain

Learn about
Acceleration and how
acceleration and
velocity different.



Elaborate

Use the [worksheet](#) as experimental guide and apply Newton's Second Law to find the force acting on the ball.



Evaluate

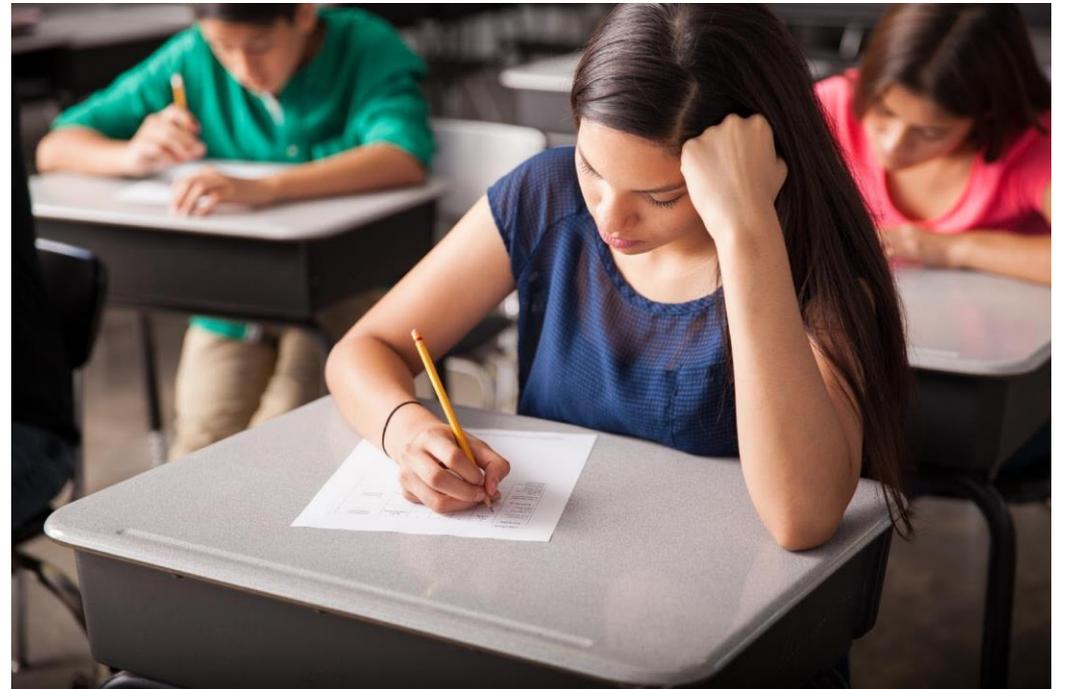
Based on your data, was your earlier prediction accurate? Use the [worksheet](#) as a guide.



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 to access the Assessment & Key.



Extend

Challenge Yourself!

Use a force diagram, throwing each ball underhand and overhand, labeling all forces applied to each ball.



What is your Dream Job?

STEM Jobs in Sports

- Softball Scout
- Sports Physicist
- Softball Umpire
- Equipment Manager
- Product Development Scientist

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