



STEM
sports[®]

science • technology
engineering • math • sports

SOFTBALL

Module 3.0

Forces in Softball

GRADES 3rd – 5th





MODULE
3.0



GRADES
3-5

What Do You Need?

Supplies Provided

Worksheets, Tape Measures
and Softballs

Materials Needed

Pencils, Softball Bat and
Plate & Tee (*Extend
Only*)



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

Have you ever hit a softball (or baseball)? Or have you ever watched a softball (or baseball) game in-person or on television, witnessing a player hit the ball?

Explore

Brainstorm ways you
can change the motion
of the ball.

Explain

Learn about Gravity, and how and when it occurs during the game of softball.

Elaborate

Conduct an experiment measuring the total distance the ball travels when hit with a full swing vs. a bunt swing. Use the [worksheet](#) as a guide.



Evaluate

Using the worksheet, answer questions from your experiment.



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!

Conduct an experiment considering how an upward and downward swing influences the flight of the ball.



What is your Dream Job?

STEM Jobs in Sports

- Sports Statistician
- Hitting Coach
- Official Scorekeeper
- Softball: Product Tester
- Coordinator: Sports Equipment

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