



STEM
sports[®]

science • technology
engineering • math • sports

Multi-Sport Ball Edition

Module 3.0

Is it a Ball or Strike?

GRADES 3rd – 5th



MODULE

3.0

GRADES
3-5

What Do You Need?

Supplies Provided

Worksheets, Softballs
and Radar Gun

Materials Needed

Pencils and Softball
and Baseball Gloves



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.



Fun Fact

Unlike baseball, a softball pitcher can pitch multiple games in a row

Engage

Predict: Is it easier to
throw a strike or a ball?

Explore

Test your prediction with partner. Use the [worksheet](#) as a guide

Strike Zone



Explain

Learn about Energy and Speed
and how it plays a role in
softball.

Elaborate

Repeat your experiment using a radar gun to measure the speed of each pitch. Use the [worksheet](#) as a guide.

Evaluate

Using the [worksheet](#), write a mathematical expression putting each pitch type in order. How is your pitching accuracy?



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!

Based on your experimental data, convert to fractions or division to find your % of strikes to balls.



What is your Dream Job?

STEM Jobs in Sports

- Softball & Baseball Umpire
- Sports Information Director
- Scoreboard Operator
- Pitching Coach
- Radar Engineer

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