

STEM
sports[®]

science • technology
engineering • math • sports

GOLF

Module 7.0

Kinetic Energy in Golf

GRADES 6th – 8th



MODULE

7.0

GRADES
6-8

What Do You Supplies Provided Need? Materials Needed

Worksheets, Tape Measures,
Digital Stopwatches, Golf
Balls, and and ShortGolf®
Products: hitta!, ballz!, and
mini-stikka

Pencils and Ping Pong Balls
*Extend only: Set of Irons or
Woods (Driver, 3W or 5W)*

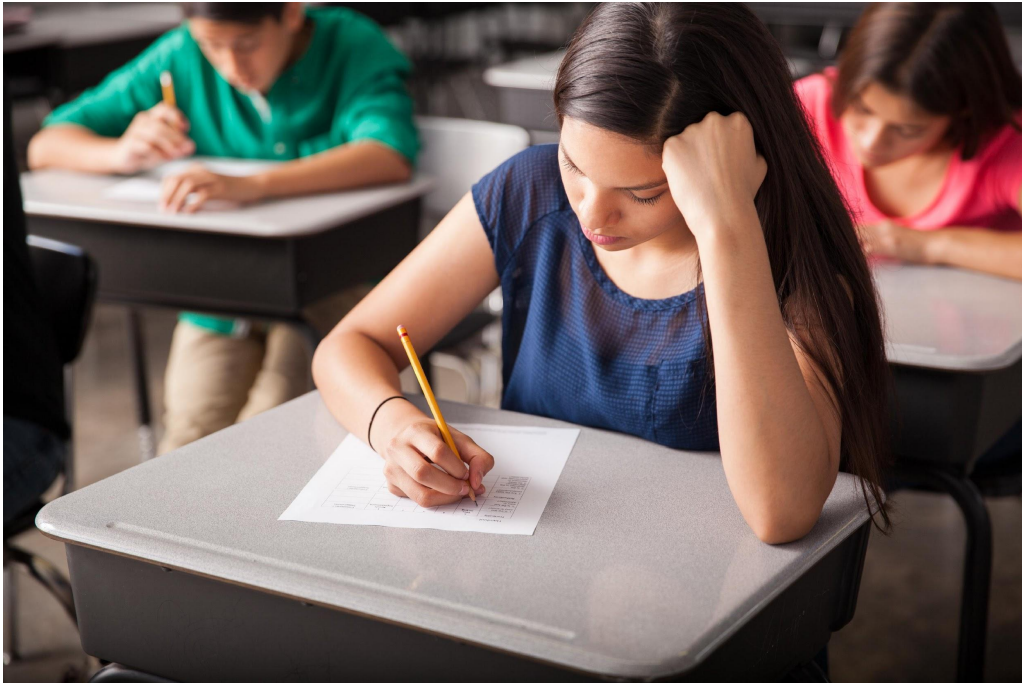


Test Your Knowledge

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

Observe and explain similarities and differences between various sport balls.

Explore

Brainstorm a list of ways to test the energy of various sport balls.

Explain

Learn about the relationship between mass, velocity, and kinetic energy.

$$K = \frac{1}{2}mv^2$$

Elaborate



Conduct an experiment and collect data to find the kinetic energy of each ball type. Use the [worksheet](#).

Evaluate

Based on your findings, which ball had the most energy? Use the [worksheet](#) to support your efforts.



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!

Add another ball type to the experiment and test how the kinetic energy would change.



What is your Dream Job?

STEM Jobs in Sports

- General Manager – Driving Range
- Sports Equipment Manufacturer
- Golf Cart and Range Attendant
- Golf Swing Coach
- Baseball Hitting Coach

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