

STEM
sports[®]

science • technology
engineering • math • sports

Multi - Sport Ball Edition

Module 5.0

What is a Golf Ball?

GRADES 6th – 8th





MODULE

5.0

GRADES
6-8

What Do You Need?

Supplies Provided

Worksheets, Halved Golf Balls, 2-, 3-, and 4-Piece Golf Balls, ShortGolf® Products: puttr!, mini-stikka!, and Article on pages 78 and 79

Materials Needed

Pencils and Various Sports Balls: tennis, baseball, and ping pong

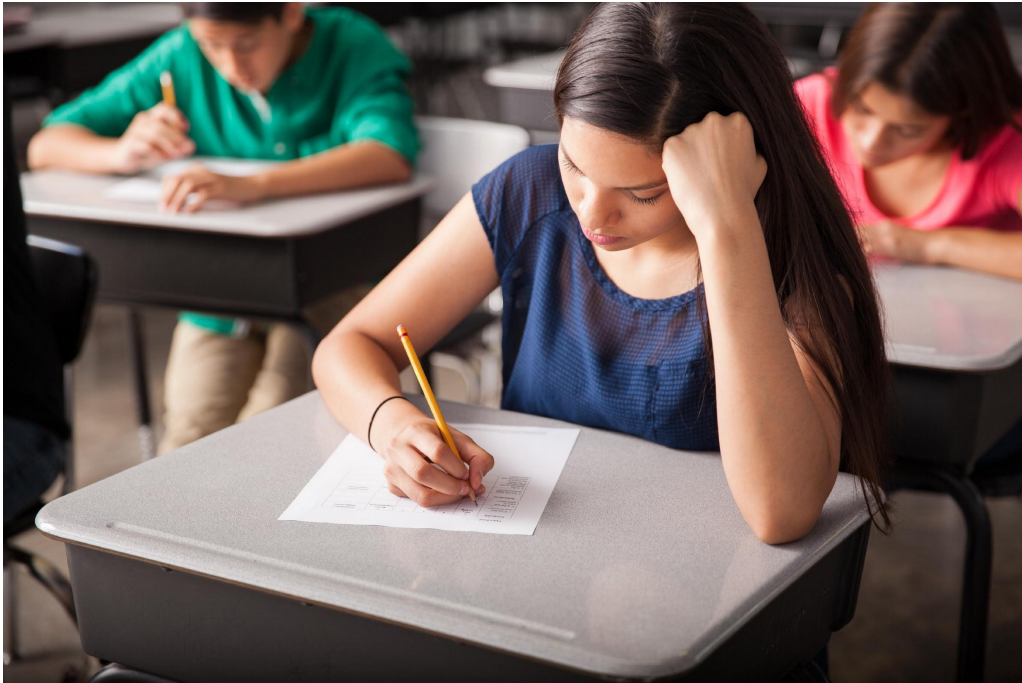


Test Your Knowledge

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

Americans spend approximately \$600 million on golf balls every year.

Engage

How would a ball function for a sport it was not designed for?

Explore

Read the article about the
history of the golf ball.
Use the [worksheet](#).

Explain

Learn about how technology has adapted to the criteria and constraints of the game. Use the [worksheet](#) for support.



Elaborate

Use the [worksheet](#) to conduct an experiment to decide which ball is easiest to control.

Evaluate



Based on the information you have collected, support the claim about the “design of the golf ball” meeting the criteria and constraints.



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!

Research materials used in the manufacturing process from natural resources to synthetic material used in the ball.



What is your Dream Job?

STEM Jobs in Sports

- Golf: Materials Scientist
- Golf Ball Manufacturer
- Ball Engineer
- Golf Equipment/Shop Manager
- Product Manager

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