

STEM
sports[®]

science • technology
engineering • math • sports

GOLF

Module 4.0

Engineering a Pushcart

GRADES 6th – 8th



MODULE

4.0

GRADES
6-8

What Do You
Supplies Provided **Need?** **Materials Needed**
Worksheets and Tape
Measures
Full Golf Bag, Chart Paper,
Graph Paper and Prototype
Materials (cardboard, PVC
pipes, string, empty 2-liter
bottles, glue, etc.)

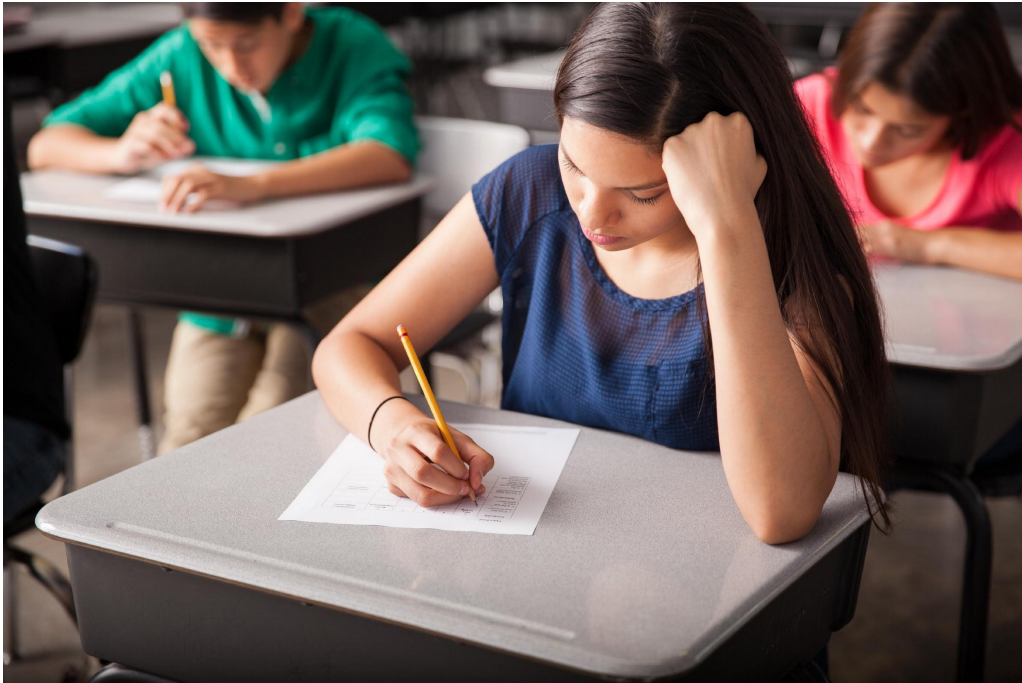


Test Your Knowledge

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

Engineers solve problems. What are some problems golfers' encounter?

Explore

Discuss the *Engineering Design Process* to solve challenges golfers encounter on the golf course.

Explain

Learn how engineers strategize by objectively evaluating their designs prior to determining which prototype to build.

Elaborate

Use the [worksheets](#) to strategically evaluate and select the best design.

Evaluate

Exchange your design
with classmates to
effectively evaluate the
designs.



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 existing pushcarts and apply your outcomes to plan and design a prototype.





What is your Dream Job?

STEM Jobs in Sports

- Golf Course: Safety Engineer
- Golf Course: Property Control Attendant
- Caddy
- Race Care Mechanic
- Golf Cart Service Technician

Want to continue the
education?

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