

**STEM**  
*sports*<sup>®</sup>

science • technology  
engineering • math • sports

**Multi - Sport Ball Edition**  
Module 7.0

**Force of a Golf Swing**

**GRADES 6<sup>th</sup> – 8<sup>th</sup>**



MODULE

7.0

GRADES  
6-8

## What Do You Need?

### Supplies Provided

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

### Materials Needed

Pencils, Calculators and  
Chart Paper

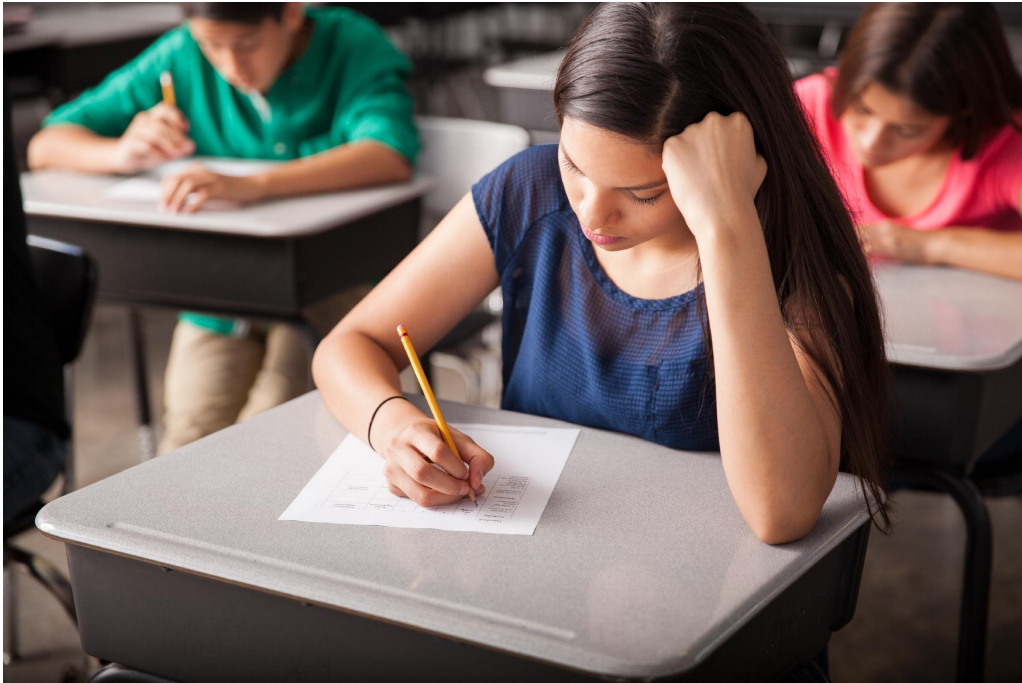


## Test Your Knowledge

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](mailto:Info@STEMSports.com) to access the Assessment & Key.





## **Fun Fact**

The longest putt ever is 125 yards or 114 meters.

# Engage

How far can you hit a  
golf ball? Use the  
[worksheet](#).

# Explore

Is there a change you could make to hit the ball further?  
Use the [worksheet](#) for support.

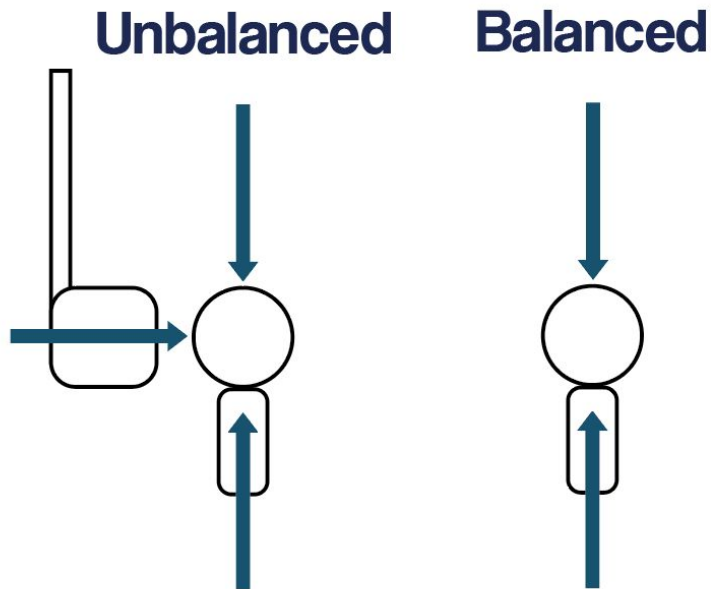
# Explain

Review the steps of the *Scientific Method* and how it applies to the game of golf, as well as Newton's 2<sup>nd</sup> Law.

## Scientific Method



# Elaborate



Conduct a controlled experiment that changes the forces acting on the ball. Use the [worksheet](#).



# Evaluate

Present your findings to classmates. Did you apply distance or use Newton's 2<sup>nd</sup> Law?



## What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting:

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**Extend**

## **Challenge Yourself!**

Conduct an experiment to test multiple variables.



# What is your Dream Job?

## STEM Jobs in Sports

- Sports Metric Analyst
- Adaptive Sports Equipment Coordinator
- Golf Swing Coach
- Sports Physicist
- Pilates Instructor

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