

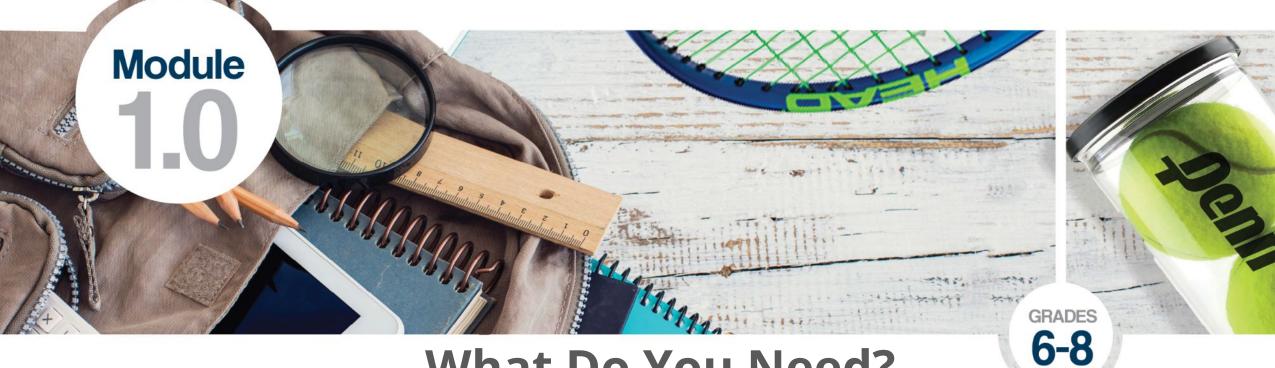


science • technology engineering • math • sports

STEM Tennis Module 1.0

The Game Evolved

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



## What Do You Need?

## **Supplies Provided**

Worksheets, Tennis Rackets, and Tennis Balls

## **Materials Needed**

Pencils, Various Sport Balls: Softball, Baseball, and Golf Ball: various items to hit the ball: Badminton, Racket, Ping Pong Paddle, Baseball/Softball Bat







## **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**

The game of Tennis comes from the French term "tenez", which means "take this". Players would play the game, and shout "tenez" throughout!





Discuss the traits of the racket and ball. How are these traits unique to the sport of tennis?







# Read the article and watch the <u>video</u>.





Learn about key terms, such as Tennis Racket, Paddle, and Graphite. How has the availability of materials played a role in the evolution of the tennis racket and ball?





Using the <u>worksheet</u> as a guide, answer the questions from "The Game Evolved" article.





Based on your recorded data, reflect and evaluate the pros and cons of different combinations.





#### What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting: <a href="https://stemsports.com/assessments/">https://stemsports.com/assessments/</a>. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.







## **Challenge Yourself!**

Engineer your own racket and compare it to a standard racket.





## What is your Dream Job?

STEM Jobs in Sports

- Tennis Chair Umpire
- Tennis Racket Engineer
- Sports Equipment Store Manager
- Physical Education Teacher
- Sports Equipment Coordinator



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