



**STEM**  
*sports*®

science • technology  
engineering • math • sports

## **STEM Tennis** Module 1.0

### **The Game Evolved**

**GRADES 3<sup>rd</sup> – 5<sup>th</sup>**



# MODULE 1.0

GRADES  
**3-5**

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



## Fun Fact

Tennis players used the palm of their hands to hit the ball back and forth over the net before the tennis racket was introduced.



# Engage

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



**Explore**

Read the article and  
watch the [video](#).

## Explain

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?

## Elaborate

Using the [worksheet](#) as a guide,  
answer the questions from  
“The Game Evolved” article.



# Evaluate

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:

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**Extend**

## **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
- Manager: Sports Equipment Store
- Physical Education Teacher
- Sports Equipment Coordinator

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