



STEM
sports[®]

science • technology
engineering • math • sports

STEM Tennis

Module 8.0

Advancements in Tennis

GRADES 6th – 8th

A white circular graphic containing the text 'Module 8.0'. The background of the slide features a collage of school supplies: a brown backpack, a magnifying glass over a ruler, a blue spiral notebook, a wooden ruler, a tennis racket, and a clear plastic container with green tennis balls and the word 'Penn' on it.

Module 8.0

GRADES
6-8

What Do You Need?

Supplies Provided

[Worksheets](#), Tennis Rackets,
and Tennis Balls

Materials Needed

Pencils and Smartphone
or Tablet



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

Did you know that if the ball hits a player's body or any part of their clothing before it lands, it is their opponent's point (even if it would have gone out)?

Engage

Is there a time you wish
you had “instant replay”?

Explore

Perform a game of tennis in which you and your peers will determine if the ball is in or out and record your results on the [worksheet](#).

Explain

Write down criteria and constraints of using technology in tennis, such as Hawk-Eye.
Use the [worksheet](#) as a guide.

Elaborate

Watch the [video](#) on instant replay and add to your list of criteria and constraints of using replay technology.

Evaluate

Write a letter to the USTA based on your findings from the lesson.
Use the [worksheet](#) as a guide.



What Did You Learn?

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

<https://stemsports.com/assessments/>.

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Extend

Challenge Yourself!

Present your letter to your peers and include a Q & A session to support your claim.



What is your Dream Job?

STEM Jobs in Sports

- Team Photographer
- Internet - Sports Producer
- Tennis Developer (IT) - Tennis Data and Development
- Director of Broadcast Technology
- Tennis Commissioner

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