



STEM
sports[®]

science • technology
engineering • math • sports

STEM Tennis Module 2.0

Dimensions of the Court

GRADES 6th – 8th



Module 2.0

GRADES
6-8

What Do You Need?

Supplies Provided

[Worksheets](#) and Ball
of String (if outside court
is not available)

Materials Needed

Pencils, Notebook
or Blank Paper
Extend Only: Outdoor Space



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 longest tennis match took 11 hours and 5 minutes to complete.

Engage

Draw a tennis court labeling
as many features as you can.

Where do you serve from?

Where do you receive a serve from?

Explore

Review all court features.
Use the [worksheet](#) plot
court features on a
coordinate plane system.



Explain

Define: Coordinate Plane System and Pythagorean Theorem. Model how to calculate the distance traveled to hit a ball.

Elaborate

Using the [worksheet](#) as a guide, calculate the distance traveled to hit the ball.

Evaluate

Create your own question similar to those on the [worksheet](#).



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

Visit a tennis court, or create your own, and visualize the distance players have to travel to play a point.



What is your Dream Job?

STEM Jobs in Sports

- Engineer Technician - Stadium/Arena
- Director of Facilities
- Youth Sports Director
- High School: Geometry Teacher and Head Tennis Coach
- Stadium/Arena Architect

Want to continue the education?

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