



STEM
sports[®]

science • technology
engineering • math • sports

STEM Tennis

Module 3.0

The Playing Surfaces

GRADES 6th – 8th



Module
3.0



GRADES
6-8

What Do You Need?

Supplies Provided

[Worksheets](#) and
Tennis Balls

Materials Needed

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

Rafael Nadal has found great success on clay courts. With 13 French Open Title Wins, he is called the “King of Clay”.

Engage

Go outside to roll and bounce the tennis ball on different surfaces.

Explore

Using the [worksheet](#) as a guide, record some benefits and challenges of each surface.

Explain

Watch the [video](#).
Learn about the most popular surfaces used in tennis.
Use the [worksheet](#) to provide Criteria and Constraints.



Elaborate

How would a player have to adapt their game on each playing surface?

Evaluate

Using the [worksheet](#) as a guide, record how you would adapt your play?



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!

Research popular and widely used courts. What type of conditions do players have to adapt to and overcome?



What is your Dream Job?

STEM Jobs in Sports

- Tennis: Ball Boy/Girl
- Tennis Court - Groundskeeper
- Tennis Court/Arena Architect
- Stadium/Arena: Quality Control Coordinator
- Event/Gameday Coordinator

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