

STEM
sports[®]

science • technology
engineering • math • sports

Lacrosse

Module 2.0

Intricacies of a Lacrosse Field

GRADES 6th – 8th



MODULE
2.0

GRADES
6-8

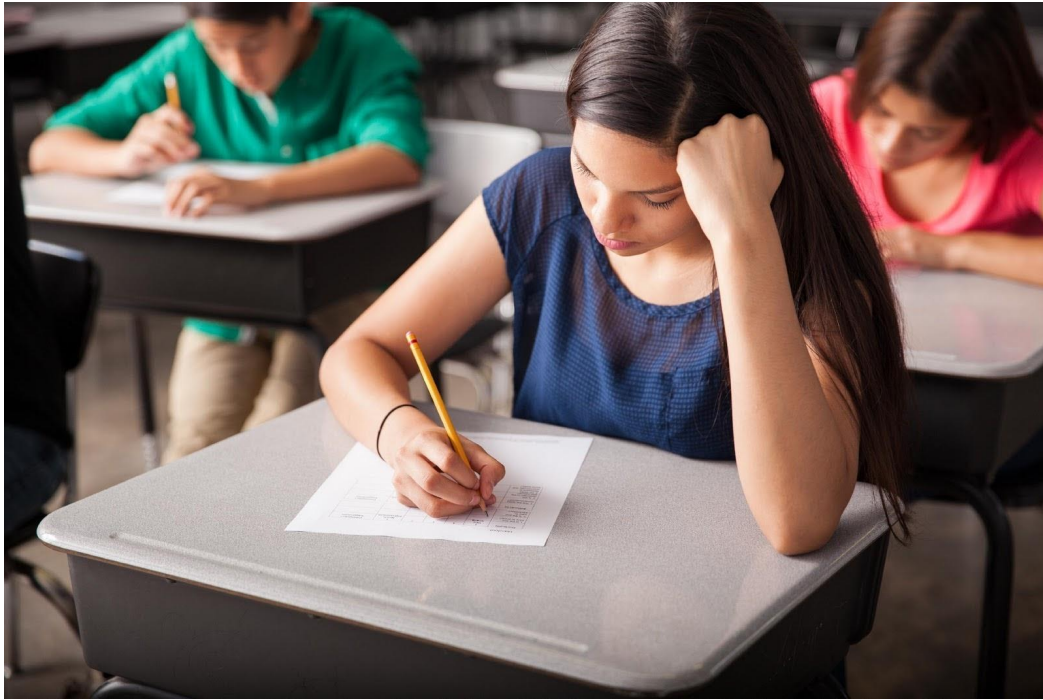
What Do You Need?

Supplies Provided

[Worksheets](#), Tape Measures, and
Masking Tape
Extend only: Fishing line,
Toothpicks, Straws, and Ribbon

Materials Needed

Pencils, Paper/Notebook,
and Copies of Scaffolding
Support (if necessary)
Extend only: Cardboard



Test Your Knowledge

Have your students take this lesson's assessment prior to engaging by visiting:

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

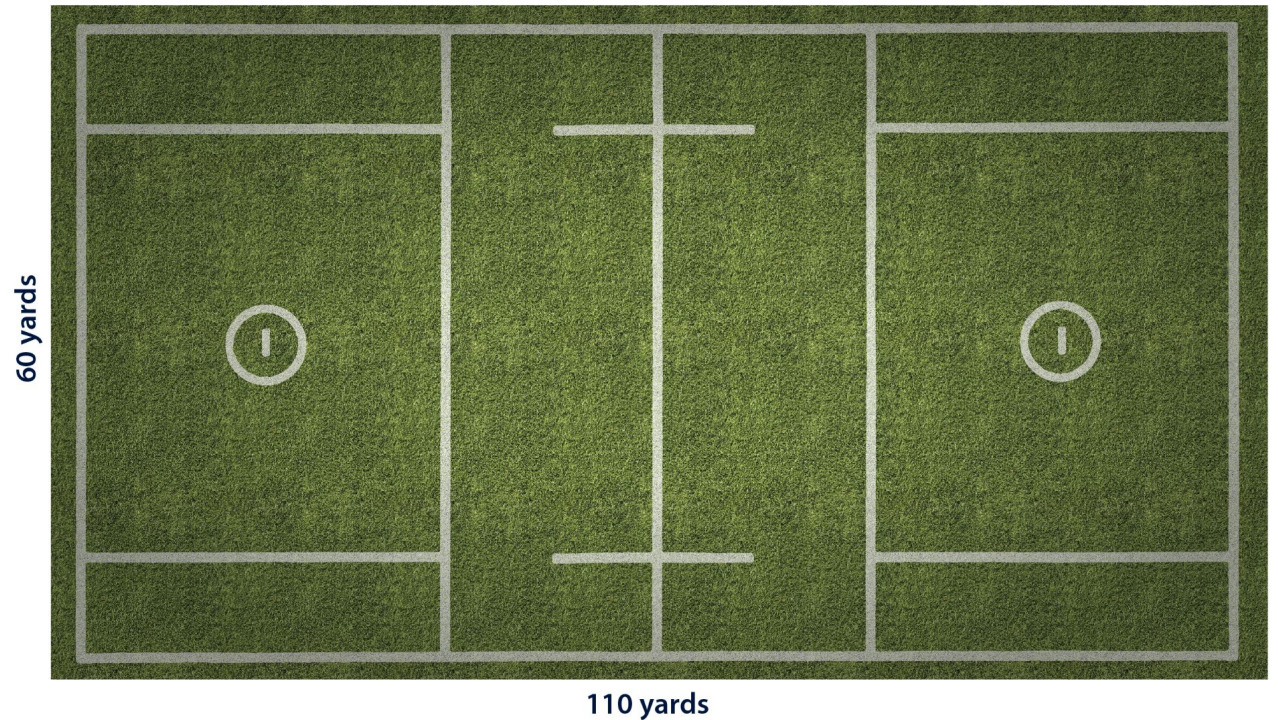
If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.

Engage

The lacrosse net is generally the same size for all leagues with slight variations in diameter.

Explore

Create a scale model of a lacrosse field.



Explain

$$\frac{1 \text{ inch}}{1 \text{ yard}} = \frac{x \text{ inches}}{10 \text{ yards}}$$

Learn about proportional relationships and how to solve for the unknown.

Elaborate

Using the [worksheet](#) as a guide, apply what you've learned from proportional relationships to create a scale model of a lacrosse field.

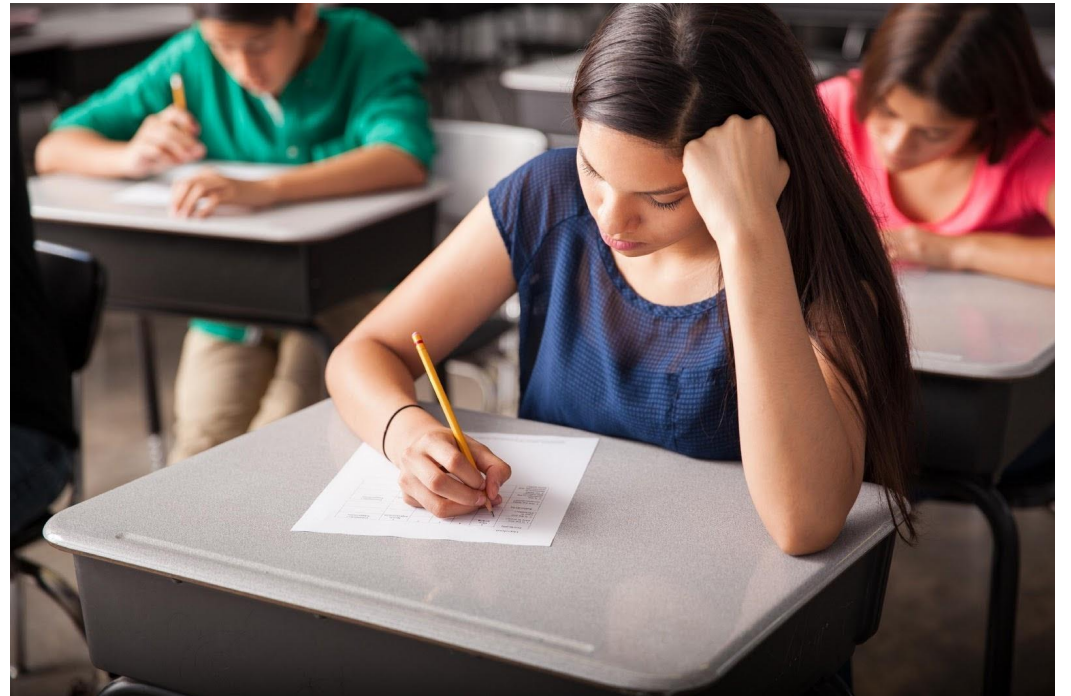
Evaluate

Based on your scale model,
is its size an effective scale
for the ball?



What Did You Learn?

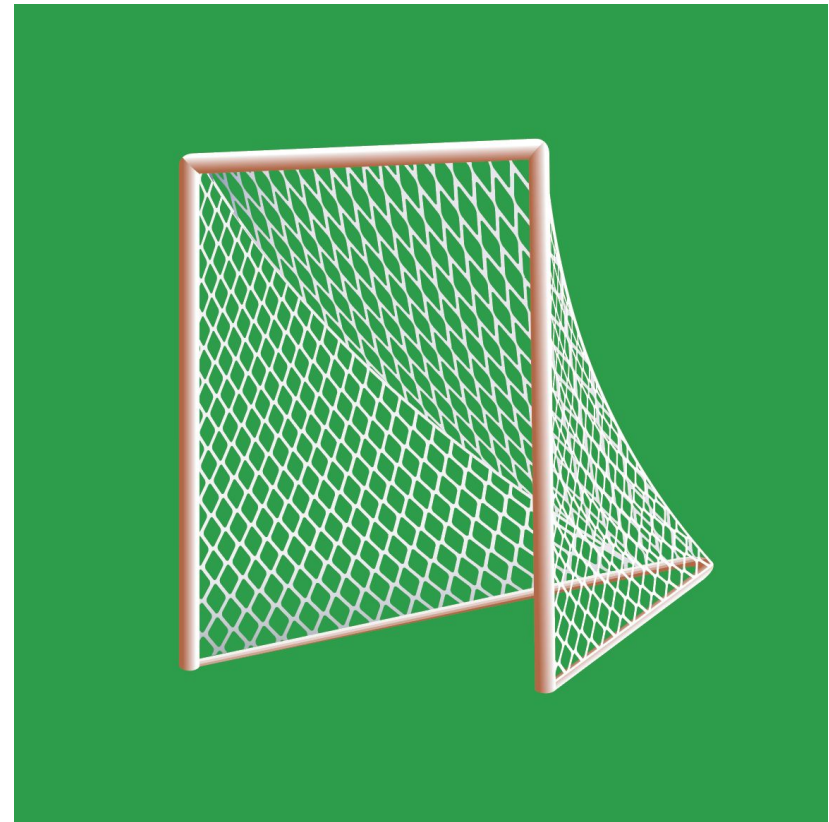
Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting: <https://stemsports.com/assessments/>. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.



Extend

Challenge Yourself!

Using metric measurements and proportional conversions, construct a lacrosse net using various material.





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 Lacrosse Coach
- Stadium/Arena Architect

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