

**STEM**  
*sports*<sup>®</sup>

science • technology  
engineering • math • sports

**Multi-Sport Net Edition**  
Module 4.0

**Wearable Technology**

**GRADES 6<sup>th</sup> – 8<sup>th</sup>**



**Module  
4.0**

GRADES  
**6-8**

## What Do You Need?

### Supplies Provided

[Worksheets](#), Lacrosse Balls,  
Lacrosse Sticks, Tape Measures,  
and Disc Cones

### Materials Needed

Pencils and Clipboard



# 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

Prior to the modernization of lacrosse, teams could have anywhere from 100 to 1,000 players.

# Engage

Use the [worksheet](#) as a guide.  
Play a five minute scrimmage. Where  
did you spend the most and least  
amount of time on the field?

# Explore

Use the [worksheet](#) as a guide, compare and contrast the density method vs. the coordinate plane method.

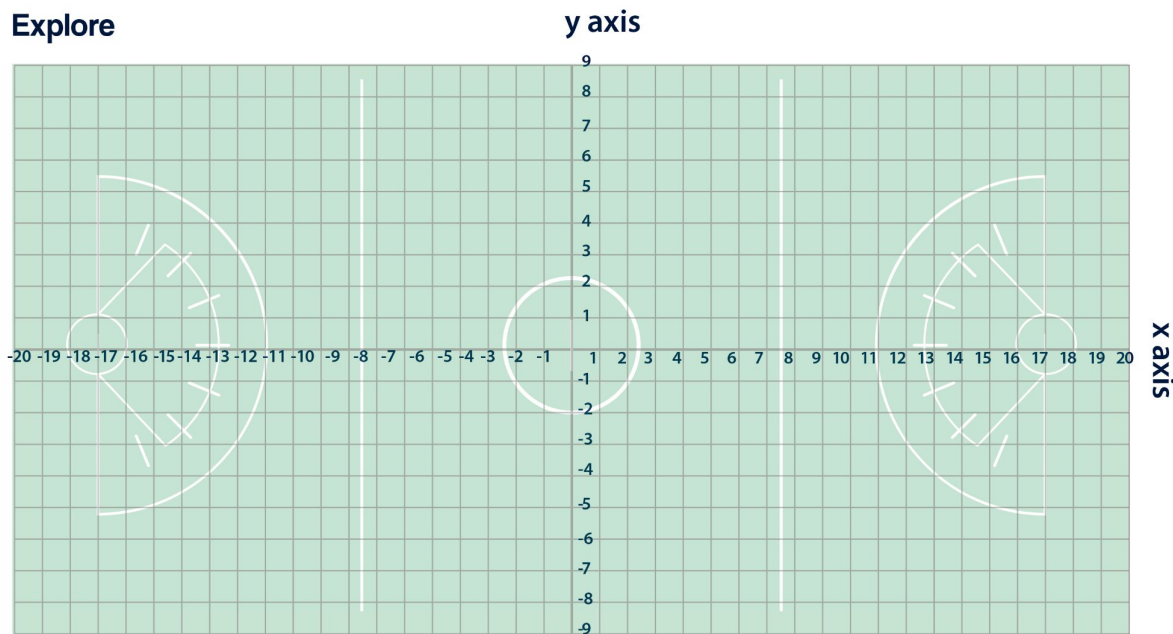
# Explain

Use the [worksheet](#) as a guide. Reference the Playertek dashboard and compare and contrast your data collection to the dashboard.



# Elaborate

Explore



Using the coordinates provided on the [worksheet](#) for a play, plot them on a quadrant plane, finding the distance (length) between the players (points).



# Evaluate

Use the [worksheet](#) as a guide.  
Review another set of plays and plot them on the coordinate plane. Use the information provided to predict if the play would be successful in scoring.

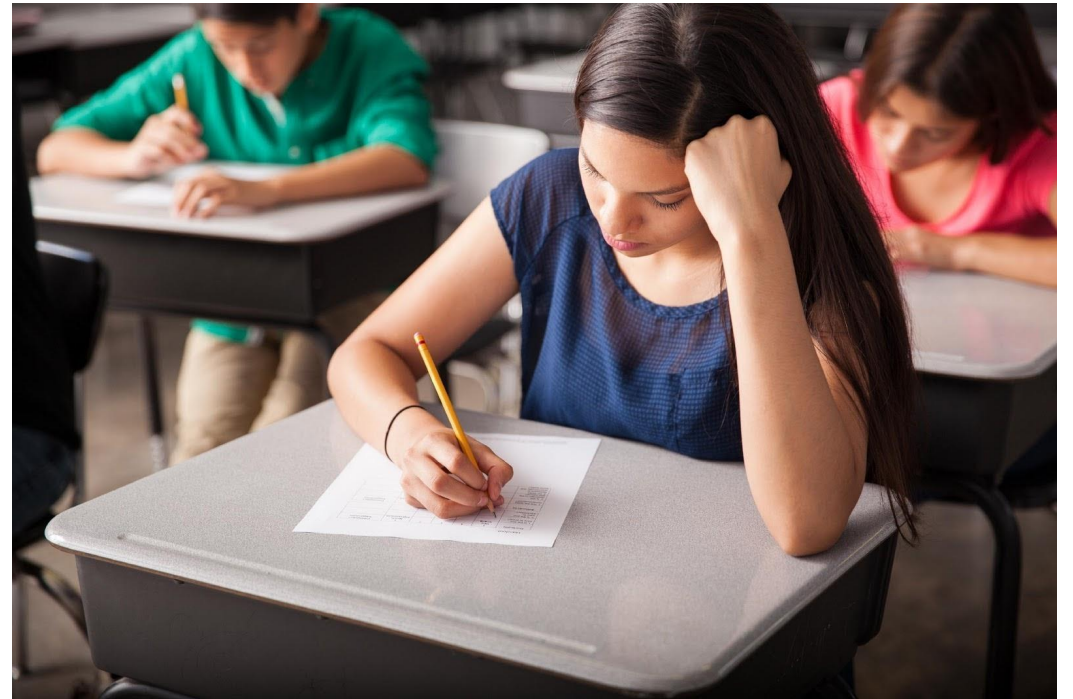


## What Did You Learn?

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

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**Extend**

## **Challenge Yourself!**

Create your own plays using points on an  $x, y$  table and then plot the points on a coordinate plane.



# What is your Dream Job?

## STEM Jobs in Sports

- Quarterback Coach
- Vice President of USA Lacrosse
- Defensive Coordinator
- Team - Sales and Marketing Director
- Offensive Coordinator

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