



science • technology engineering • math • sports

**FOOTBALL** 

Module 7.1 Integers of Play

GRADES 6th - 8th



#### What Do You Need?

#### **Supplies Provided**

Worksheets, Youth Footballs, Tape Measures and Football Field Diagram

#### **Materials Needed**

Extra Paper Labeled for the Yard Lines, Integers and Pencils







#### Test Your Knowledge

Have your students take this lesson's assessment prior to engaging by visiting: <a href="https://stemsports.com/assessments/">https://stemsports.com/assessments/</a>. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.





Watch the <u>video</u>.
How far do you think the ball traveled?







## Develop a scale model and label the number line/yardage.





Learn about a *number line* and how it is essentially the same as a football field, and how *integers* play a role in determining ball placement.

Reference the worksheet.





Use your scaled model and the worksheet to determine how far the ball moved during play.





Using a number line, draw a scenario based on movement of the football during a punt.





#### 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.







### **Challenge Yourself!**

Based on your findings, compare the number line version to how the football version functions.





#### What is your Dream Job?

#### STEM Jobs in Sports

- Stadium/Arena Architect
- Radar Engineer
- Special Teams Coach
- Referee/Official
- Sports Physicist





## To access Worksheet Keys, please visit <a href="https://www.STEMSports.com/digitaltools">www.STEMSports.com/digitaltools</a>



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