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FOOTBALL

Module 5.1
Intricacies of a Football Field

GRADES 6th – 8th

What Do You Need?

Supplies Provided

Worksheets, Craft Sticks and Rubber Bands

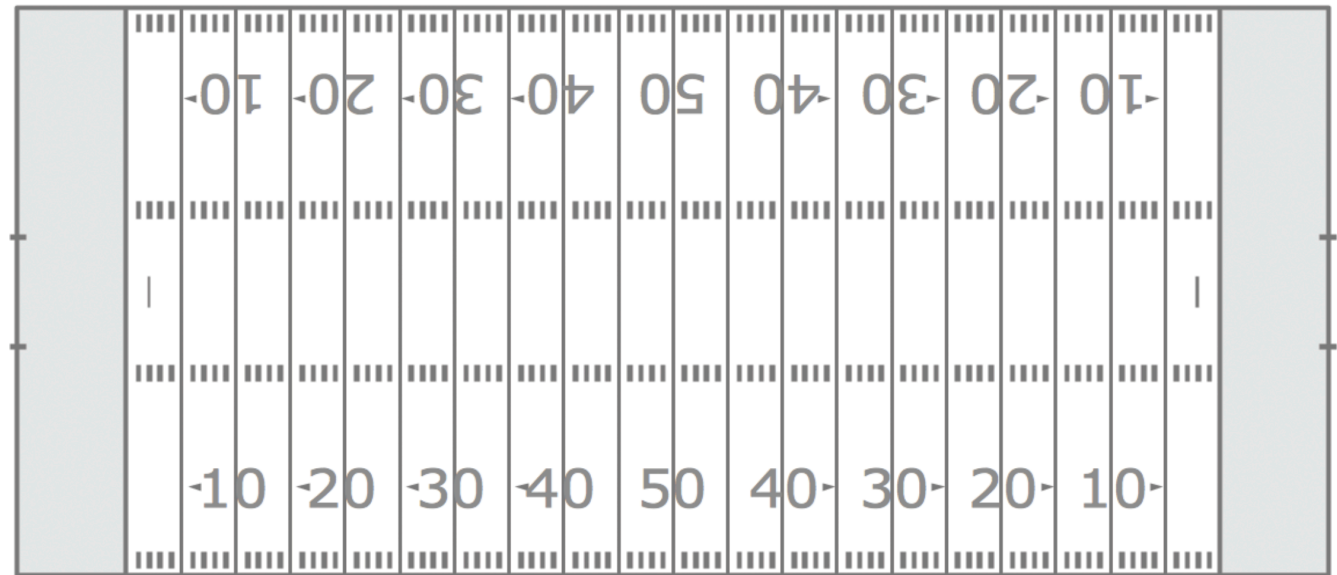## Materials Needed

Pencils

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

How are the sizes of a youth football and NFL football determined?

Explore

Using portions and ratios, construct a scale model of a football field.

Explain

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

Elaborate

Using the proportions of a football field, calculate and create a scale model of reasonable size. Reference the worksheet for support.

Evaluate

Based on the circumference of a youth hand and adult hand, is the relationship proportional to the ball they use?

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!

Use the proportions of a goal post and create a scale model.

What is your Dream Job?

STEM Jobs in Sports

- Stadium/Arena Engineer
- Facility Operations Manager
- Official/Referee
- Sports Statistician
- Groundskeeper

To access Worksheet Keys, please visit www.STEMSports.com/digitaltools

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