VOLUME



science • technology engineering • math • sports

# VOLLEYBALL

Module 1.1 The Volleyball Court

GRADES 3<sup>rd</sup> – 5<sup>th</sup>



#### What Do You Need?

# **Supplies Provided**

Worksheets, Tape

Measures and Masking Tape

# Materials Needed

Plain Paper cut to 18x18 inches and Pencils





# **Test Your Knowledge**

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





### How many 18x18 inch tiles make up a volleyball court?



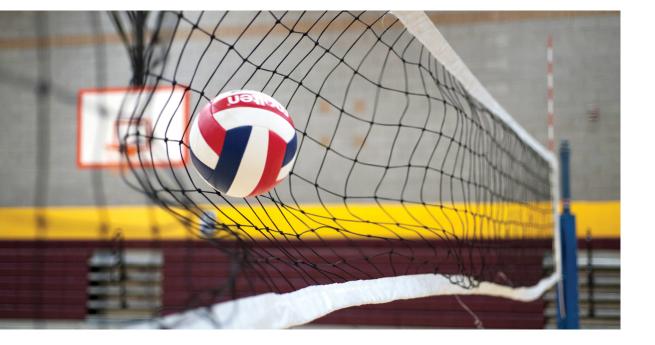




# Based on your prediction, test your estimate on a volleyball court or scaled diagram.







If the space was larger, would you still count tiles or apply a calculation?



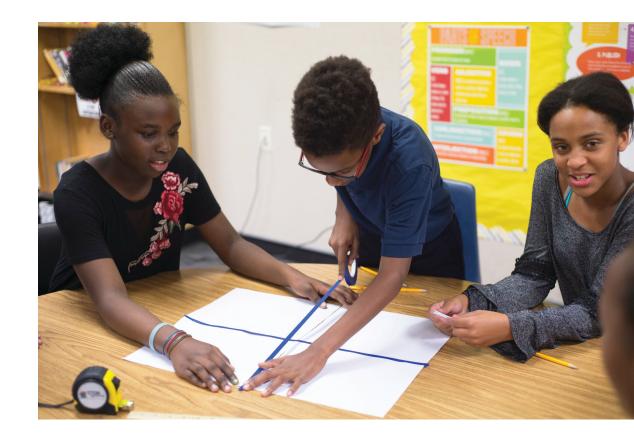


# Using the <u>worksheet</u>, measure the perimeter and the area of all polygons.





What about the dimensions of the net? Use your experience and knowledge to calculate.







#### What Did You Learn?

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







# **Challenge Yourself!**

Use multiple units to convert your experimental findings.





# What is your Dream Job?

# STEM Jobs in Sports

- Director of Facilities
- Systems Engineer
- Stadium/Arena Architect
- Youth Sports Administrator
- Engineer Technician





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



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