

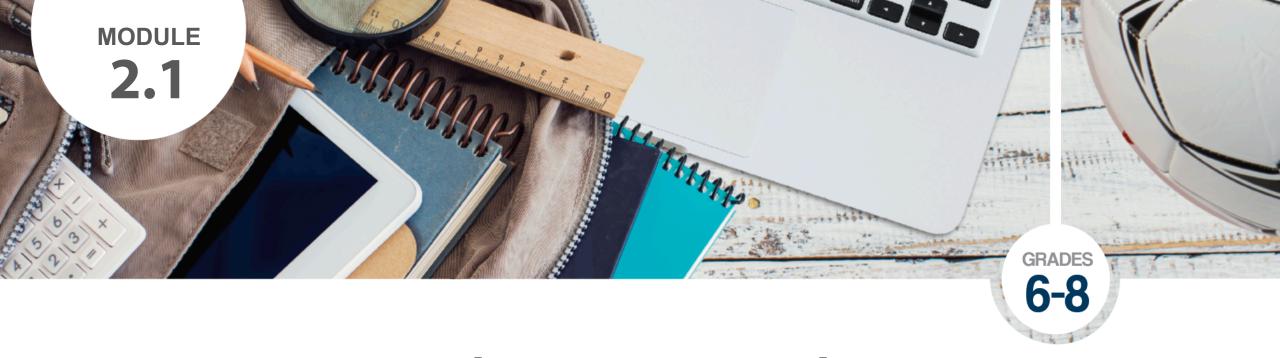


science • technology engineering • math • sports

**MULTI-SPORT** 

Module 2.1
Probability and Penalty Kicks

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



#### What Do You Need?

**Supplies Provided** 

Worksheets and Soccer Balls

Materials Needed
Pencils and Calculators







#### **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.





What types of measurement can you use to evaluate if you are a good soccer player?









Collect data: Time to test your skills. Use the worksheet.





Discuss the use of *probability* in soccer. How can you use *probability* in the game to predict an outcome?





Predict and test your game with penalty shots using the worksheet.







What if you took 100, 200, or 1,000 shots? Use the worksheet.





#### 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!**

To better understand your skills, graph your data using an input/output function.





#### What is your Dream Job?

#### STEM Jobs in Sports

- Referee
- Statistician
- Soccer Metrics Analyst
- Internet Sports Producer
- Sports Information Director





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



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