



STEM *sports*[®]

SOCCER

Module 8.0

Penalty Shootout: Kicks and Probability

Special Teams Players





What Do You Need?

Supplies Provided

Worksheets, Digital
Stopwatches, Size 3
Soccer Balls and Disc
Cones

Materials Needed
Pencils

A red horizontal bar at the top of the slide. It contains faint, repeating icons of a power button, a pi symbol, and an atom.

Engage

What is a goal?
What is a penalty shot?

Explore



Can you make a goal without goalie? What about with a goalie?
Take a shot!

Explain

Learn about the Scientific Method and how it can be used in soccer.

Scientific Method



Elaborate

Can you come up with a hypothesis and predict the outcome as a soccer player?
Use the worksheet.

Evaluate

Test your hypothesis with a partner. Use the worksheet.





Extend

Challenge Yourself!

Based on your data, use math to find your shooting percentage.



What is your Dream Job?

STEM Jobs in Sports

- Sideline Reporter
- Athletic Trainer
- Soccer Referee
- MLS (Major League Soccer) Scout
- Director of Player Development

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