

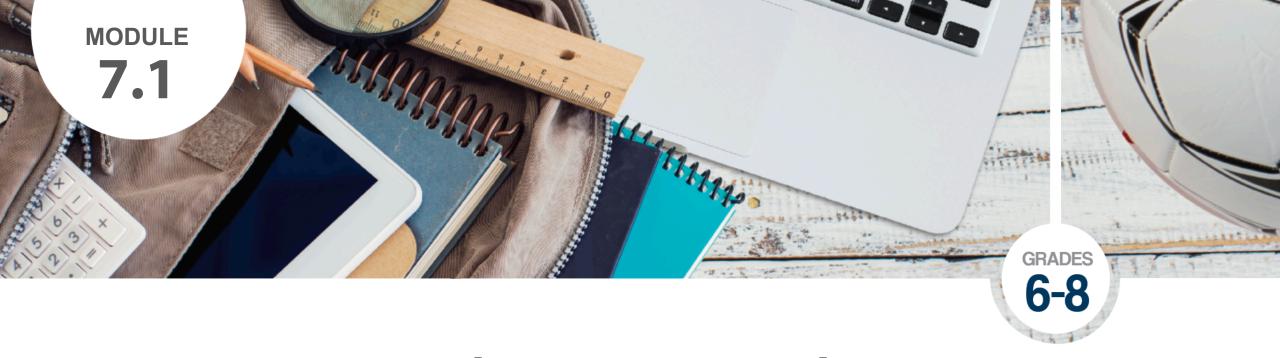


science • technology engineering • math • sports

SOCCER

Module 7.1
Goal-Line Technology

GRADES 6th - 8th



What Do You Need?

Supplies Provided

Worksheets, Soccer Balls, String, Bells and Tent Pegs

Materials Needed

Pencils

Optional: Additional

Prototyping Materials







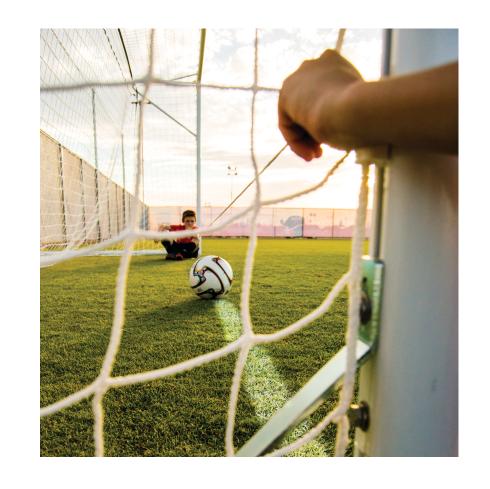
Test Your Knowledge

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.





Watch <u>video one</u>. Is it a goal or not? Is the use of technology good for the game?







Watch <u>video two</u> and draw a diagram of the current technology at the World Cup.





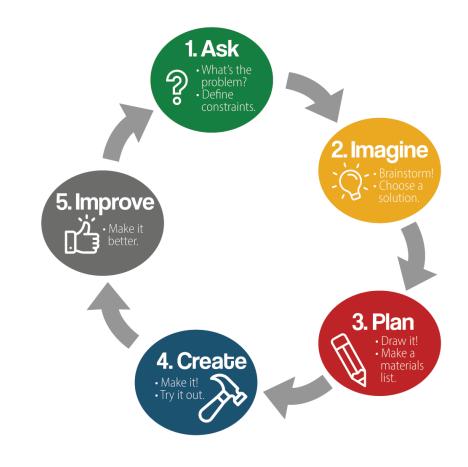
Learn about the *Engineering*Design Process and how technology can be designed using the EDP.







Time to design: Brainstorm, prototype, and test your prototype. Use the worksheet.







Was your design successful? Present it to the class with evidence to support it.





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!

Participate in a "design challenge".





What is your Dream Job?

STEM Jobs in Sports

- Computer/Application Coder (App)
- Video Producer
- Patent Agent
- Software Engineer
- Stadium/Arena: Quality Control Coordinator





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



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