



science • technology engineering • math • sports

FOOTBALL

Module 4.1

The Evolution of the Football Helmet

GRADES 6th - 8th



What Do You Need?

Supplies Provided

Worksheets

Materials Needed

Copies of Article, Pencils and Diagrams of the Brain, Spinal Cord, and Nerves throughout the Body Optional: 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.





How has the football helmet changed since the first leather helmets used in the game?







Read the <u>article</u> and discuss the importance of preventing injuries to the head.





Learn more about the nervous system and how impact to the head can kill <u>neuron cells</u>.





Make observations of the helmets on the worksheet.







Does today's football helmet provide adequate protection from a head injury?





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!

Create a testable model using the Engineering Design Process to effectively protect the brain from impact.





What is your Dream Job?

STEM Jobs in Sports

- Sports Equipment Manufacturer
- 3D Printing Engineer
- Team Physician
- Exercise Physiologist
- Sports Commissioner





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



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