VOLUME



science • technology engineering • math • sports

MULTI-SPORT

Module 4.1 Advancements In Shoe Technology

GRADES 6th – 8th



What Do You Need?

Supplies Provided Worksheets

Materials Needed

Pencils and Prototype Materials (Extend only)







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.







What does a pair of basketball shoes look like from 1910? How much different are your basketball shoes?





Observe and make some inferences on the <u>worksheet</u> about shoe performance.





Learn about major parts of a shoe and the importance of injury prevention.





Brainstorm some ways to design a quality shoe with the <u>worksheet</u>.





Based on your brainstorm, were you able to produce a shoe that prevents injury yet performs well?





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!

Build a prototype and test your shoes.





What is your Dream Job?

STEM Jobs in Sports

- Sports Fashion Designer
- Orthopedic Surgeon
- Equipment Manager
- Product Tester
- Supply Chain Coordinator





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



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