



STEM
sports®

science • technology
engineering • math • sports

STEM Hockey

Module 1.0

The Stick & Puck

GRADES 6th – 8th



Module 1.0

GRADES
6-8

What Do You Need?

Supplies Provided

[Worksheets](#), Floor Hockey Sticks, Floor Hockey Pucks, and Article on pages 52-53.

Materials Needed

Pencils, Sport Balls and Sticks/Clubs: tennis, baseball, softball, golf, and ping pong; baseball/softball bat, golf club, and tennis racket



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.



Fun Fact

Hockey pucks are stored in freezers so they remain cold enough to avoid bouncing off the ice and brought out only during play.

Engage

Discuss the traits of the hockey puck and stick. How do they compare to other sport balls and sticks?



Explore

Read the provided article, then watch the [video](#) on how a hockey stick and hockey puck are developed.

Explain

Learn about key the terms:
Technology, Criteria, Constraint, and Engineering.

Using the [worksheet](#) as a guide, develop
a list of criteria and constraints from the article.

Elaborate

Using the [worksheet](#) as a guide,
pass a variety of balls using
a variety of sticks.

Evaluate

Why does the hockey stick control and release each ball/puck type differently?



What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting:

<https://stemsports.com/assessments/>.

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Extend

Challenge Yourself!

Research a type of material that is used in either a hockey stick or puck.



What is your Dream Job?

STEM Jobs in Sports

- Hockey Official
- Ball Engineer
- Hockey: Product Development Specialist
- High School : Head Hockey Coach and Physics Teacher
- Sports Equipment Coordinator

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