



STEM
sports[®]

science • technology
engineering • math • sports

STEM Hockey

Module 6.0

Shooting Forces in Hockey

GRADES 3rd – 5th



Module
6.0

GRADES
3-5

What Do You Need?

Supplies Provided

[Worksheets](#), Floor Hockey Sticks, Floor Hockey Pucks, and Radar Gun

Materials Needed

Pencils and Smartphone or Tablet
Extend Only : Different Sport Balls



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

The fastest recorded slapshot was by Bobby Hull at a staggering 118 miles per hour.

Engage

Why are some shots and passes in hockey faster than others?



Explore

Compare the images to the right and watch this [video](#).



Explain

Define Key Term:
Balanced and Unbalanced Forces.
Explain the relationship between
force, speed, and motion.

Elaborate

Split students into groups of four and designate tasks to each student. Using the [worksheet](#) as a guide, fill in the information on speed and distance.

Evaluate

Using the [worksheet](#) as a guide,
draw force diagrams.



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!

Design your own controlled experiment using different sport balls.



What is your Dream Job?

STEM Jobs in Sports

- Hockey - Performance Coach
- Sports App: Software Engineer
- Television Sports Producer
- Hockey Arena: Engineer Technician
- NHL Franchise: Social Media Manager

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