



STEM
sports[®]

science • technology
engineering • math • sports

STEM Hockey

Module 6.0

Shooting Forces in Hockey

GRADES 6th – 8th



Module 6.0

GRADES
6-8

What Do You Need?

Supplies Provided

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

Materials Needed

Pencils and Smartphone or Tablet



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

Believe it or not, a puck has split during a game on more than one occasion: Patrick Kane (center), Andrew Procho (forward) and Shane Doan (forward) each broke a puck against a goal post during an NHL game.

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:
Acceleration and Force.

Explain the relationship between speed,
velocity, and acceleration.

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,
write a claim supported by data.



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
by throwing or kicking a puck.



What is your Dream Job?

STEM Jobs in Sports

- NHL Scout
- Performance Coach
- Television Sports Producer
- Hockey App: Software Engineer
- Junior Hockey: Tournament Director

Want to continue the education?

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