



science • technology engineering • math • sports

### **BASKETBALL**

Module 4.1
Motions in Basketballs

GRADES 3<sup>rd</sup> – 5<sup>th</sup>



## What Do You Need?

# **Supplies Provided**

Worksheets, Basketballs, Tape Measures, Masking Tape and Digital Timers

# **Materials Needed**

**Pencils and Calculators** 







# **Test Your Knowledge**

Have your students take this lesson's assessment prior to engaging by visiting: <a href="https://stemsports.com/assessments/">https://stemsports.com/assessments/</a>. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.





Can you run faster than a basketball being passed?





Test your prediction with a runner, passers, and timer.
Use the worksheet.





Learn how to measure speed.





Try to calculate your speed from the groups earlier experiment.

Use the worksheet.





Based on your groups experimental data, write a claim







### 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.

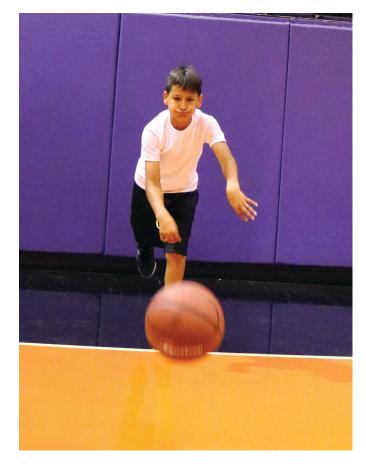






# **Challenge Yourself!**

Complete the experiment using a chest pass, overhead pass, or bounce pass.







# What is your Dream Job?

# STEM Jobs in Sports

- Safety Inspector
- Scorekeeper
- Personal Trainer
- Sports Doctor
- Strength and Conditioning Coach



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