

**STEM**  
*sports*®

science • technology  
engineering • math • sports

## **BASKETBALL**

### **Module 8.1**

## **Advancements In Shoe Technology**

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

## What Do You Need?

**Supplies Provided**  
[Worksheets](#)

**Materials Needed**  
Student Shoes or  
Sample Shoes and  
Pencils





## 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](mailto:Info@STEMSports.com) to access the Assessment & Key.

# Engage

Discuss your favorite pair of shoes with a partner.







**Explore**

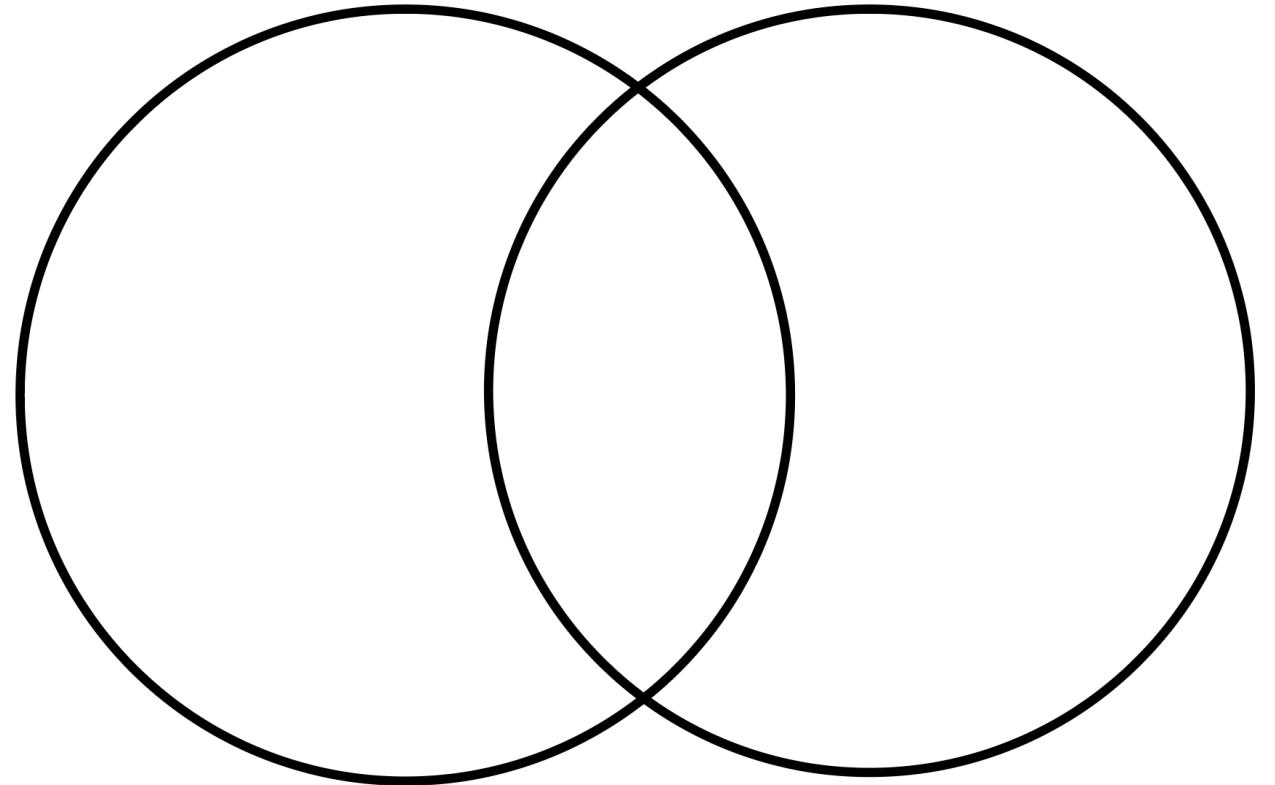
Observe your shoes. What do you notice? Use your senses.

# Explain

Learn and discuss the difference between  
an *Observation* and *Inference*.

## Elaborate

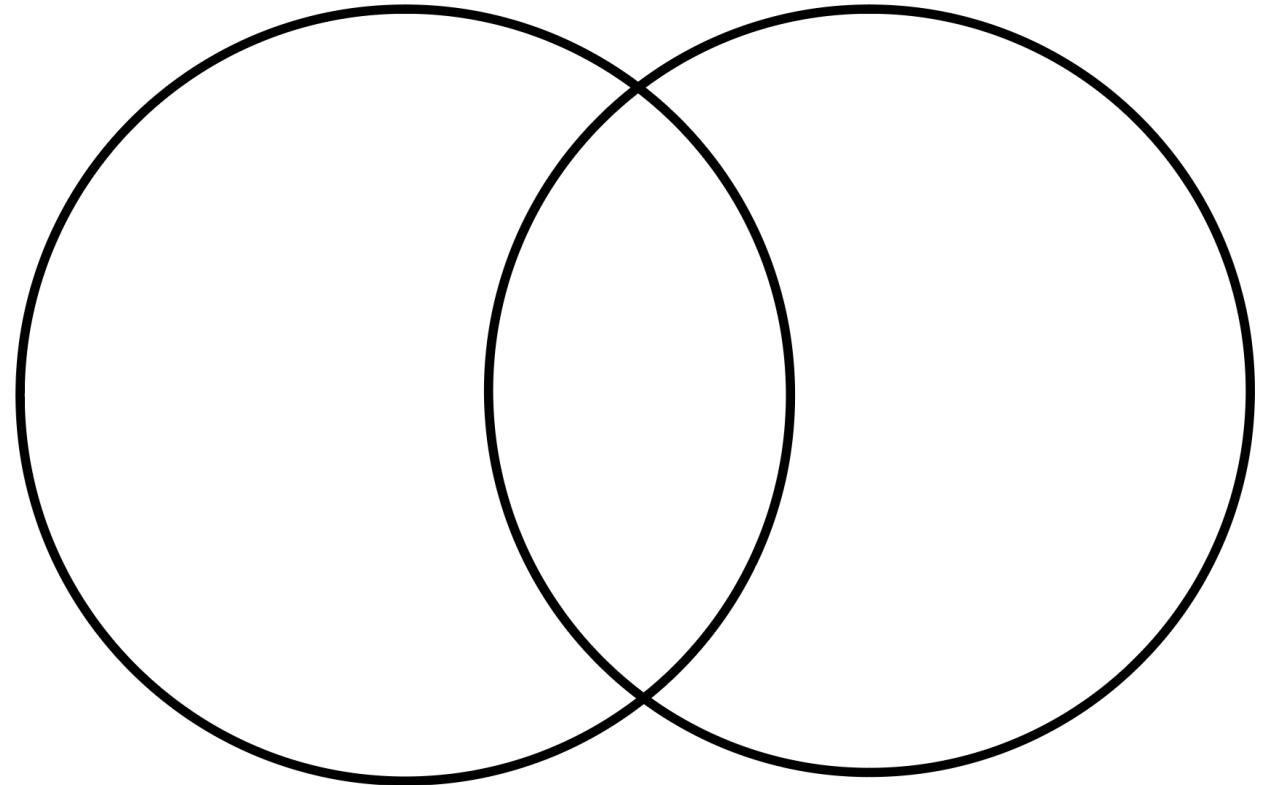
Demonstrate  
*Observations* on  
the [worksheet](#).





**Evaluate**

Demonstrate *Inferences*  
on the [worksheet](#).





## What Did You Learn?

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

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**Extend**

## **Challenge Yourself!**

Design a pair of shoes based on what you have learned about technology.







# What is your Dream Job?

## STEM Jobs in Sports

- Team Orthopedic Doctor
- Equipment Manager
- Sales and Marketing Director
- Supply Chain Coordinator
- Team Merchandise Designer

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