

**STEM**  
*sports*®

science • technology  
engineering • math • sports

## **STEM Hockey**

### Module 4.0

## Ice Time

**GRADES 6<sup>th</sup> – 8<sup>th</sup>**





# Module 4.0

GRADES  
6-8

## What Do You Need?

**Supplies Provided**

[Worksheets](#)

**Materials Needed**

Pencils

*Extend Only: Ice Rink/Platform*





## 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.





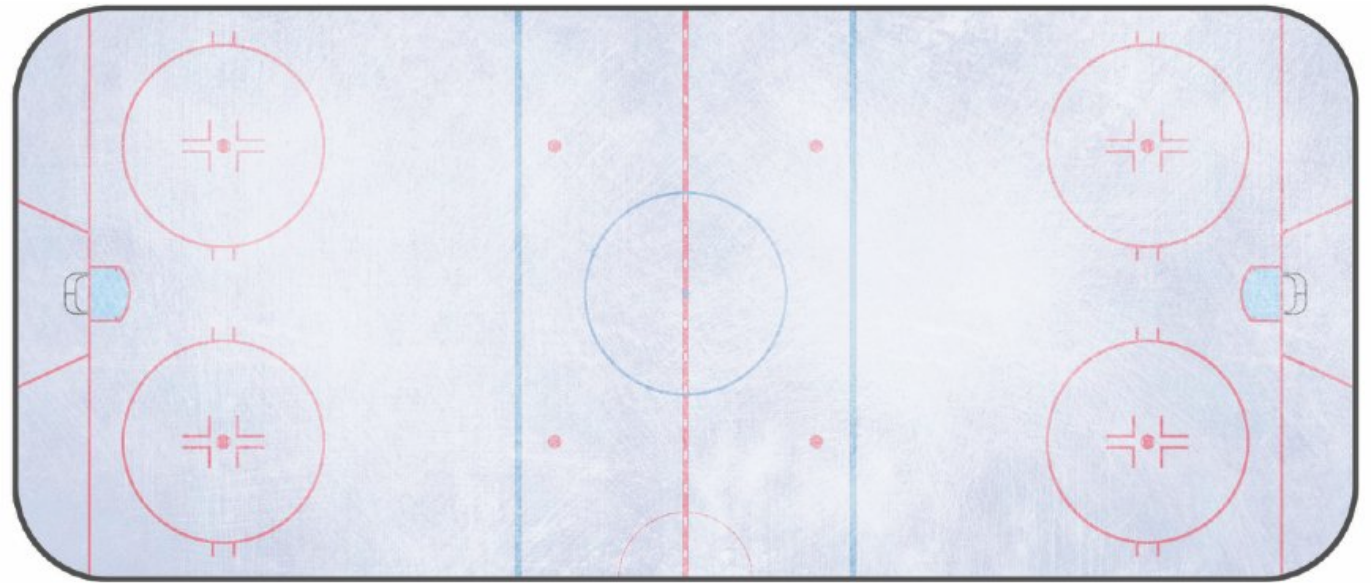
## **Fun Fact**

It takes over 10,000 gallons of frozen water to make an ice rink with the official dimensions.



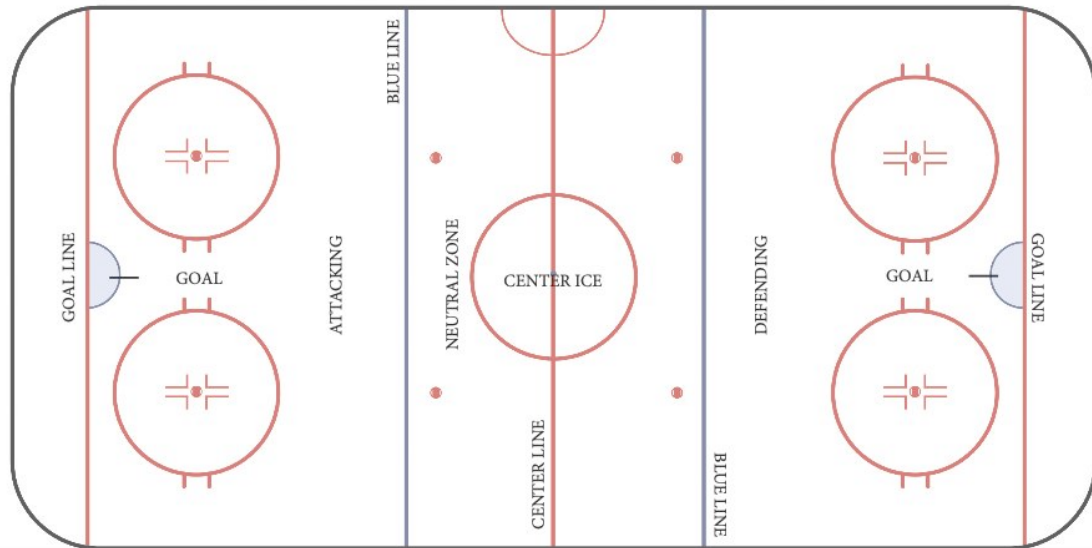
# Engage

What different lines and shapes are marked on the ice?





# Explore



Discuss the different ice markings. Using the [worksheet](#) as a guide and connect the ice marking to the corresponding rule.



# Explain

Learn about key terms:  
Coordinate Plane System and  
Pythagorean Theorem (if using).

Model for students how to find the  
distance between two coordinate points.



## Elaborate

Using the [worksheet](#) as a guide,  
identify the ice markings  
given coordinates.



# Evaluate

Using the [worksheet](#) as a guide,  
find the distance between  
the given ice markings.





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







**Extend**

## **Challenge Yourself!**

Skate to the different ice markings mentioned in this module.





# What is your Dream Job?

## STEM Jobs in Sports

- Ice Painter
- Arena Light Technician
- Arena Architect
- Director of Strategy and Analytics
- Zamboni Operator



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