

# HOCKEY: FASTER THAN EVER

**CCM**







*HOCKEY: Faster Than Ever* is an engaging exploration of the evolution of ice hockey through its history, science, and culture. It showcases technological advancements and scientific breakthroughs and their impact on the game.

Visitors are invited to test their slapshot speed, reaction time, and more with hands-on interactives. Displays featuring historical artifacts, reproductions, and cutting-edge equipment add to the experience.

The exhibition is a vibrant celebration of hockey's diversity and inclusivity, spotlighting individuals with varied backgrounds and abilities. Interactives and multimedia elements emphasize hockey as a sport for everyone, creating a welcoming and inclusive environment for all visitors.

# OVERVIEW

- 1: Origins
- 2: Rules of the Game
- 3: Performance & Science
- 4: Stars
- 5: The Tunnel
- 6: Science Lab
- 7: Culture
- 8: Hometown Heroes

# HIGHLIGHTS

- ★ Snap a selfie with a real ice resurfacer
- ★ Player Card stations paired with interactives to track visitor stats
- ★ Innovative displays of objects, artifacts, and state-of-the-art CCM equipment
- ★ Immersive multimedia experiences
- ★ “Ice rink” housing the ‘Science Lab’ and numerous hands-on interactives





# ORIGINS

Discover ice hockey's incredible origins and evolution, tracing its roots from ancient European stick-and-ball games to the present day.

The section highlights the influence of lacrosse, hurling, and rugby while delving into hockey's birthplace—Canada—and revealing important milestones and historic 'firsts' in the sport's history.

# ORIGINS

See rare artifacts, reproductions, and historical film clips, including the first hockey game filmed by Thomas Edison in 1898.

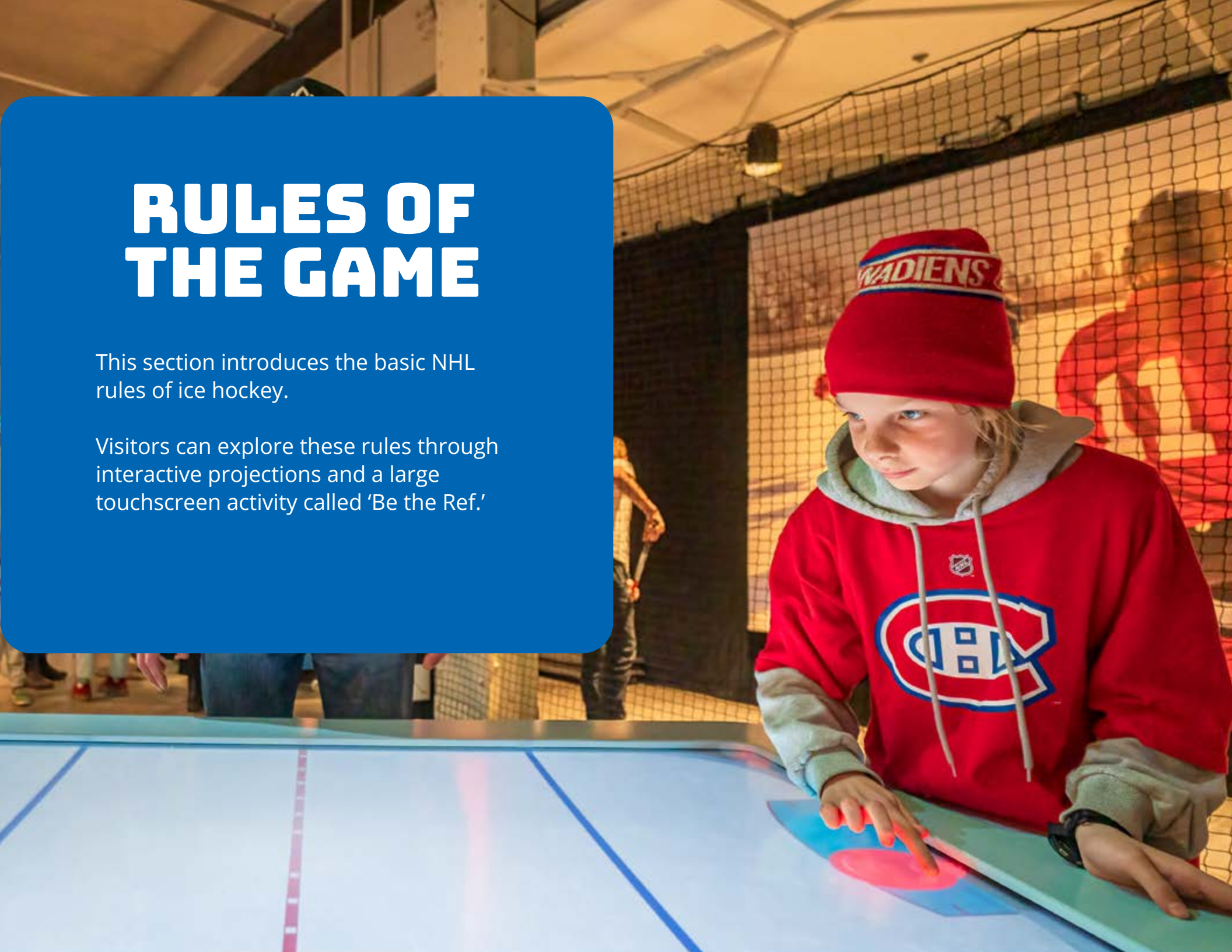
Visitors will get a unique glimpse into the sport's evolution and early days.



# RULES OF THE GAME

This section introduces the basic NHL rules of ice hockey.

Visitors can explore these rules through interactive projections and a large touchscreen activity called 'Be the Ref.'



A photograph of a man and a young boy looking at ice hockey equipment in a museum. The man is wearing a black cap and a red safety vest, and the boy is wearing a red safety vest. They are both looking at a piece of equipment on a table. The background is dark and filled with other people and equipment.

# PERFORMANCE & SCIENCE

This section showcases the evolution of ice hockey gear, highlighting how scientific advancements have made the sport faster and safer.

Visitors can compare old and modern equipment and learn how physics concepts have influenced player performance, safety, and speed.



# PERFORMANCE & SCIENCE

## INTERACTIVES

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### STICK FLEX

Explore force and stick flex by pressing a foot pedal on different sticks mounted on a pedestal. Tips on selecting the right stick for individual players are also included.

### ADAPTIVE STICKS

Touch and examine sled hockey adaptive sticks affixed to a graphic panel. The sharp picks used in sled hockey are safely enclosed in a display case.

### MEASURING UP

Compare your height to the NHL's tallest and shortest players with a to-scale graphic.



# PERFORMANCE & SCIENCE

## INTERACTIVES

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### SLICK AS ICE

Slide large pucks along tracks that mimic a hockey rink, aiming to stop in a target area for points. Different surfaces on the tracks show how friction affects the puck's movement.

### BALANCE OF POWER

Test your balance, core strength, and agility on balance boards with various exercises, or try an adaptive sled. Protective rails and padding ensure safety during all activities.



# STARS

This section highlights hockey's 'Star' players and the science behind their excellence. Explore authentic jerseys and gear in replica lockers and more.

## INTERACTIVES

### BUILDING A STAR

Take a quiz to discover your ideal player position. Depending on your answers to questions about player development, be matched with the position that best fits you.



# THE TUNNEL

Step into a player's journey and experience the pre-game energy and excitement as wall projections and immersive audio guide you through the tunnel, recreating the sensation of stepping onto the rink.



# SCIENCE LAB

After exiting the tunnel, visitors enter the 'Science Lab', a space designed to look like an ice hockey rink, complete with boards, a 'Jumbotron', a penalty box, and fan seating.

Engage in hands-on interactives that explore math and physics concepts such as angles, speed, friction, momentum, and force.



# SCIENCE LAB

## INTERACTIVES

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### SHUTOUT STREAK

Step into the goalie's role using arcade-style buttons, testing your skills in math, angles, agility, and hand-eye coordination.

### DON'T BLINK

Test your reaction time by pressing randomly lit buttons within 60 seconds. This interactive challenges you from a player's and a goalie's perspectives.





# SCIENCE LAB

## INTERACTIVES

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### THE NEED FOR SPEED

Test your slapshot speed with three shots on a net equipped with a radar gun. An artificial ice surface adds realism, and your score, along with the day's highest speed, is displayed.

### SCORE LIKE A PRO

Hit as many targets as possible in 30 seconds. Your score and the highest of the day are shown on the display.

### FANDEMONIUM

Relax on the bleachers and appear on the 'Jumbotron', where you can show off your dance moves, team jerseys, or join in on the 'Kiss Cam'.

# SCIENCE LAB

## INTERACTIVES

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### **BREAK OUT**

Master hockey strategy and teamwork by passing the puck to your teammate through increasingly challenging levels while learning about angles and the importance of collaboration on the ice.

### **PENALTY BOX BLUES**

Experience the penalty box firsthand and see your image on the 'Jumbotron', perfect for a memorable photo.

### **JUMBOTRON**

Four rear-projections in 'Penalty Box Blues' and 'Fandemonium' display highlights, hockey chants, and a traditional scoreboard when other interactives are not in use.







# CULTURE

After the 'Science Lab', explore the history of the NHL and have a photo op with an interactive Stanley Cup display.

The section also covers other leagues, including women's leagues, the Olympics, and adaptive leagues, highlighting the achievements and players across the sport.

## INTERACTIVES

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### THE STANLEY CUP®

Interact with THE Cup: touch the screen, spin it, zoom in on team and player details, and capture a memorable photo with it.

### HOCKEY GAMES

Enjoy two touchscreen air hockey tables and a Super Chexx PRO bubble hockey table.



# HOMETOWN HEROES

This section highlights host venue content, with Flying Fish coordinating with the NHL to feature local teams. Explore traditions, superstitions, and global fan celebrations, with added content and games for extra fun.

## INTERACTIVES

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### EDUCATION CART

Explore the educational cart by Montréal Science Centre, featuring a group quiz, photo ops, and hands-on activities.



# COLLABORATORS

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## Flying Fish

A leading creator of traveling exhibitions, Flying Fish collaborates with top museums and science centers to produce extraordinary and influential experiences. Our exhibitions have impacted millions of visitors, generated new, sustainable income for our clients and inspired fans around the globe.

For Museums. By Museums.  
[flyingfishexhibits.com](http://flyingfishexhibits.com)

## Montréal Science Centre

An institution totally dedicated to science and technology, The Montréal Science Centre is known for its widely accessible, interactive approach and its focus on innovation and local talent, in a setting that is both educational and fun. Recognized for its educational programs, the Science Centre has helped introduce more than 2 million school children to the world of science and has collaborated with teachers tasked with transmitting knowledge. The Montréal Science Centre operates with the mandate to help visitors of all ages discover, understand and appropriate science and technology for use in building their future.

[montrealsciencecentre.com](http://montrealsciencecentre.com)



# ADDITIONAL SUPPORT

## The National Hockey League (©NHL)

Founded in 1917, consists of 32 Member Clubs. Each team roster reflects the League's international makeup with players from more than 20 countries represented, all vying for the most cherished and historic trophy in professional sports – the Stanley Cup®.

The NHL is committed to building healthy and vibrant communities through the sport of hockey by increasing youth participation and engagement; fostering positive family experiences; promoting inclusion, positive culture and leadership; and supporting sustainable community impact.

For more, visit [NHL.com](https://www.nhl.com).

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## The National Hockey League Players' Association (©NHLPA)

The NHLPA is comprised of the 750 players in the NHL, and manages marketing, licensing, and collective bargaining for all players. The NHLPA supports *HOCKEY: Faster Than Ever* through licensing and player usage rights.

[nhlpa.com](https://www.nhlpa.com)

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# ADVISORY PANEL

The Advisory Panel provided expert consultation from concept through production to ensure content accuracy.

## Alain Haché:

Professor of physics and astronomy Université de Moncton, Canada and author of *The Physics of Hockey* (2002), and *Slap Shot Science: A Curious Fan's Guide to Hockey* (2015).

## Dr. David J. Pearsall:

Associate Professor (retired active) McGill University Department of Kinesiology & Physical Education and Director of the Ice Hockey Research Group

## Carl Lavigne:

Historian and Archivist of the Montréal Canadiens and translator for the Hockey Hall of Fame.

## Pierre Allard:

Assistant Coach for the Munich Red Bull Hockey Team and former Sports Science and Performance Director for the Montréal Canadiens.



# BOOKINGS

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# SPECS

## Size

6,000 - 10,000 sq. ft.

560 - 930 m<sup>2</sup>

## Minimum Ceiling Height

10 ft. throughout;

14 ft. for Jumbotron

## Production Time

Ten (10) days for installation;  
seven (7) days for deinstallation

## Freight

Four (4) 53 ft. trailers

## Languages

American English