

STEM

EDUCATIONAL FIELD TRIPS!



We offer 10 Unique Activity-Based STEM Lessons that match what you are teaching in the classroom!

ELEMENTARY SCHOOL STEM LESSONS

→ THE SCIENCE OF ROLLER SKATING

Students will learn about the parts of a roller skate/inline skate and how each part functions to make the skate. They will discuss how surfaces in the rink are made of different materials and how that affects the skate in motion. Students will have a chance to showcase their creativity and design a new feature for a skate.

Topics Like: Geometry, Friction, Reverse Engineering, Design

→ MOTION & SKATE DESIGN

Students will get an introduction into the physics of roller skating by discussing the four parameters of motion. Students will answer an open-ended question by inventing their own skate design.

Topics Like: Motion, Physics, Design

→ MUSIC, MATH & ROLLER SKATING

Students will learn how to count using the beats of the music played in a roller rink and will learn how the type of music affects the speed of the skater. Fourth and fifth graders will also learn how to control the speed of skaters using the beat of the music.

Topics Like: Sound Waves, Beats per Minute, Frequency

→ SUPER SOUND! ACOUSTICS & DESIGN

Students will explore how sound waves look and how they travel through different mediums. They will discuss sounds that relate to the roller skating rink including the differentiation in speaker pitch and tones.

Topics Like: Sound Waves, Doppler Effect, Sound System Design

→ SCIENCE OF LIGHTING

Students will learn about the speed of light and how light travels. Students will learn the exciting effects of light with the use of reflection and refraction.

Topics Like: Electromagnetic Spectrum, The Speed of Light, Light Waves

→ HEART, HEALTH & FITNESS

Students will learn about basic human biology and how the body works from the inside out. Students will focus on heart related anatomy, nutrition, and exercise. Students will have fun exploring through heart healthy activities, such as finding and calculating an average heart rate. Students will also learn about the importance of making heart healthy food choices by identifying and understanding nutritional labels and facts.

Topics Like: Basic Anatomy, Heart Health, Calculating an Average, Labeling a Graph

→ FORMULAS, FRACTIONS, AND FUN; THE RELATIONSHIP BETWEEN MATH & ROLLER SKATING

Students will learn how math concepts can be found all over the skating rink. Students will measure and calculate the speed of a skater, use mean, median, and mode to talk about skate sizes, and study all of the shapes that can be found in a skating rink.

Topics Like: Mean, Median, and Mode, Geometry, Calculating Speed

→ NEWTON'S LAWS OF MOTION

Students will learn about Newton's three laws, how they relate to real world experiences and roller skating. They will learn how force and mass play a large role in motion and construct a balloon rocket.

Topics Like: Motion, Inertia, Force

→ THE SCIENCE BEHIND ROLLER AND ICE HOCKEY

Students will learn how STEM plays a very large part in sports, specifically roller and ice hockey. They will learn how three different kinds of motion can make a difference in the outcome of the game. They will also learn how roller skates and in line skates used in roller and ice hockey work.

Topics like: Physics, Force, Potential Energy and Motion

→ ARCADE STEM

Students will learn about reaction time, what it has to do with arcade games and how to improve it. Students will also learn about probability through discussion of arcade games in our facility.

Topics like: Reaction Time, Probability and Engineering Through Game Design



5413 Hickory St
Panama City, FL
www.iskatepc.com



All of our
S.T.E.M.
 Lessons Follow
 State-Level
 Curriculum
 Standards

STEM

**EDUCATIONAL
 FIELD TRIPS!**

ATTENTION: ELEMENTARY EDUCATORS
 WE OFFER 10 UNIQUE ACTIVITY- BASED STEM LESSONS
 THAT MATCH WHAT YOU ARE TEACHING IN THE CLASSROOM!



Over 2,000,000 students participated in our STEM program nationwide, in more than 125 locations!

UNIQUE EDUCATION EXPERIENCE!

When participating in one of our STEM field trip adventures, students will learn **Science, Technology, Engineering and Math** can be found in everyday experiences, even in **FUN EXPERIENCES** like **ROLLER SKATING!**

**RESERVE
 YOUR SCHOOL TODAY!
 CALL US NOW!**

PLUS FUN AND SAFE PHYSICAL FITNESS!

A 3 hour Field Trip consisting of 1 hour of STEM Education and 2 hours of Physical Fitness through Roller Skating!

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Contact Misty Curtis, STEM Educator

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SCIENCE | TECHNOLOGY | ENGINEERING | MATHEMATICS

Skater's Choice Skate Center is offering 3- S.T.E.M. programs:

- \$16.00 per student for the original program
 - Includes: Our special 45 minute S.T.E.M. course taught by our S.T.E.M. educator and a skate lesson for physical fitness and skating for 2 hours. Includes- Skate Mate, admission and skate rental.
- \$18 per student for the original program and a slice of pizza and a drink
 - Includes: Our special 45 minute S.T.E.M. course taught by our S.T.E.M. educator and a skate lesson for physical fitness and skating for 2 hours. Includes- Skate Mate, admission and skate rental, slice of pizza and small drink.
- \$20 per student for the original program and unlimited pizza and drinks
 - Includes: Our special 45 minute S.T.E.M. course taught by our S.T.E.M. educator and a skate lesson for physical fitness and skating for 2 hours. Includes- Skate Mate, admission and skate rental, unlimited pizza and drinks.

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STEM FIELD TRIP WORKSHEET

School Name: _____ Principle: _____

Contact Name: _____ Contact Number: _____

Email: _____

Lesson Choice: _____ Grade Level: _____

Field Trip Date: _____ Time: **9:30am-12:30pm (Central Time)**

Number of students (minimum of 60 required): _____ Teacher Initial: _____

**If less than 60 students, the price of 60 students is still due at the time of the event*

STEM/SKATING PACKAGE - Pick One					
<i>Lesson and Skating Only</i>		<i>Lesson, skating, one slice of pizza, one drink</i>		<i>Lesson, skating, unlimited pizza and drinks</i>	
\$16 per student		\$18 per student		\$20 per student	

What is the "quiet signal" for your students?: _____

Our STEM Schedule:

9:30am	Arrival of school. Students will be asked to find a seat on the skate floor
9:35am	STEM Lesson will begin with activities and a power point
10:15am	Students will be given instructions and asked to leave their papers on the tables. Staff will clear the skate floor while students get their skates on.
10:15am to 12:15	Students are free to skate, play and eat! Skating and music will begin.
11:45pm	Announcement of last call for food and drinks.
12:15pm	Students turn in skates for the final dance party! We will play 3 fun songs and ask them to come out on the skate floor in their shoes to dance - teachers too!!
12:30pm	Buses will pick up your students

All teachers are invited to have a slice of pizza, a drink (if you had food and drink with your package) and to skate for free as a thank you for coming!!
 The concession is open for purchases to anyone during the field trip.



Safety is a priority! Talk to your kids about skating before the trip. They will likely fall in the beginning but will get it eventually! We provide a Skate Mate for their assistance at no charge.

Ask your kids to know what size shoe they wear before going to get skates. Kids may bring money for Fun Shop and games.

Misty is your contact! Call, email or text at 850-527-1178 or stemskaterschoice@gmail.com

We will have half of the kids get pizza and half of them get skates when the lesson is over. Please list which teacher's classes we should call for each.

Once the first bunch gets their skates, the rest of the students will be invited to get their skates after they eat their pizza. The bunch that gets skates first will be welcome to get pizza at any time after they get their skates on.

If your group didn't order food, then we will call the classes one at a time to get their skates.

PIZZA

Teacher 1	
Teacher 2	
Teacher 3	

SKATES

Teacher 1	
Teacher 2	
Teacher 3	

Do you want us to provide sprite only or a variety for drinks? YES_____ NO_____

Please tell the teachers and the chaperones that the students will need help tying their skates. Any adults that want to skate are welcome to. Teachers receive free skate rental. Parents are charged \$10 to rent skates or bring their own. All adults, 18 years old and older, will have to sign a waiver to enter the facility.

Thank you again for choosing Skater's Choice!! We hope you will book many more field trips and encourage your fellow teachers to attend.

Can you get us in contact with your school's planning board for staff meetings? We would like to come and do a ten-minute presentation on the field trips. Please list the name of the contact as well as their phone number. Thanks for your help!

Contact Name:_____ Phone:_____

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