

## Information Letter to Introduce *Science on Ice* to Secondary Science Teachers



Field Trip: Science on Ice

Dear **Teacher**:

The Palouse Ice Rink Association would like to inform you about this field trip opportunity for 5<sup>th</sup> and 6<sup>th</sup> graders in the Palouse area. The Science on Ice curriculum was developed in 2008 by Paul Allan and Pete Robichaud. We have now taught over 900 students from 12 area schools about the properties of water (gas, liquid and solid), Newton's law of motion (sliding different weight pucks on the ice) and rotational momentum (spins). The curriculum is targeted to meet the Idaho/ Washington Standards for 5<sup>th</sup> grade in both science and physical education. The second half of the field trip is an opportunity for students to learn the basics of ice skating. Each student is fitted with ice skates and a helmet, and a figure skating coach teaches the basics of skating, forward swizzles, and snowplow stops. The enclosed flyer describes the field trip in more detail.

Due to overwhelming interest in the Science on Ice Program, we are adding dates to accommodate more classes this season. The sessions will be Wednesdays, November 2017 through early March 2018 (excluding school holiday weeks). Session schedule:

- Leave your school in time to arrive at the Palouse Ice Rink at 9:25 AM
- Science lessons 9:30 to 10:15 AM
- Get skates on students 10:15 AM
- Skate Lesson and free skate time 10:30 to 11:10 AM
- Depart the Palouse Ice Rink at 11:20 AM

There is no fee for the field trip because **Sponsor of Town** has provided an educational grant to cover the cost of the field trip (\$200 per session) for up to 35 students. Bus transportation is the responsibility of the group unless arrangements have been made with us prior to the field trip. This includes:

- brief lectures and several hands-on Science On Ice activities
- ice skating lessons
- skate and helmet rentals

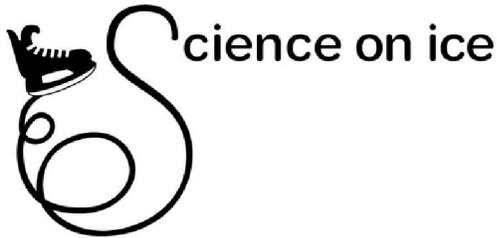
Please contact me at **Scheduler's email** to schedule a field trip. For more information contact Rink Manager Bryan Hawn, 208-882-7188 or [palouserinkmanager@gmail.com](mailto:palouserinkmanager@gmail.com).

We look forward to hearing from you.

Sincerely,  
Scheduler  
Scheduler's Name



Sample Confirmation Letter for Teacher



## Science on Ice and Skating Lesson Field Trip, 2017-2018 Teacher Information

Palouse Ice Rink, Rotary Veterans Memorial Pavilion  
Latah County Fairgrounds  
1021 Harold Street, Moscow, Idaho

**Confirmed Date:** Wednesday, February **XX**, 2018

**Participants:** **Teacher**; 20 5<sup>th</sup> grade students from **XXX School**

**Schedule:**

Leave school to arrive Palouse Ice Rink at 9:25 AM  
Science lessons 9:30 to 10:00-10:15 AM  
Get skates on students 10:15 AM  
Skate lesson at 10:30-11:10 AM  
Depart Palouse Ice Rink at 11:20 AM

**Activities:**

The planned physics topics include:

- **How a Zamboni makes the ice smooth: Properties of Water**
- **Hockey Puck Slingshots: Newton's 2<sup>nd</sup> Law of Motion: Force, Mass, & Acceleration**
- **Ice Skaters Twirling: Rotational Motion in Action**

The planned skating skills to be taught include:

- **Forward and backward swizzle**
- **Snowplow stop**
- **Two foot spin**

**Cost:**

There is no fee for the field trip this year because of a grant from **Sponsor** of **town**. They provided grant funds for all activities. This includes:

- Science on Ice lessons
- Skating lessons
- Ice rental
- Skate rentals

The School District can bill us for the bus transportation cost if needed. The bus transportation invoice can be sent to Palouse Ice Rink Association, Science on Ice Program, **address**.

**A thank note from the students will be required** to be sent to the **Sponsor** at **Sponsor's address** after the field trip.