

# Buoyancy and Boats

TEACHER PACKAGE

Thank you for booking a Teacher's Pet In-School Field Trip!



TEACHER'S PET™



In this package, you will find some key documents that will help you prepare for your upcoming fieldtrip. This package includes:

- ✓ Field Trip Form
- ✓ Checklist Letter
- ✓ Learning outcomes that will be explored during the fieldtrip
- ✓ Information Sheets about payments and volunteers

★ Please use the Checklist Letter as your guide as you prepare your classroom for our visit.

***Please note that all documents are copyrighted and any reproduction or distribution of these documents electronically or otherwise, in whole or in part, is strictly prohibited except for the purposes of this singular scheduled fieldtrip.***

If you have any questions, please feel free to contact us at

- ★ 780 434 8224
- ★ 1-888-634-8738 for Calgary
- ★ Email: [fieldtrips@tpet.ca](mailto:fieldtrips@tpet.ca)

We are looking forward to visiting your classroom and engaging your students in an energetic and interactive learning experience!

Best wishes,

The Teacher's Pet Team



***No bus needed!  
We come to your  
classroom!***

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FOR YOUR INFORMATION

## Payments

Please note our Payment Policy:



1. You will be invoiced once the field trip has taken place. This invoice will be emailed to you. Kindly forward the invoice to your office for payment.
2. Payments may be by cheque or credit card.
3. If paying by cheque, please make the cheque out to **Teacher's Pet Educational Services** and mail to:  
Teacher's Pet Educational Services  
11215-180 Street  
Edmonton, AB  
T5S 0B4
4. If paying by credit card, please call the office at:  
780 434 8224 (Edmonton)  
1 888 634 8738

Please note: We are an approved vendor in your school district.

## Volunteers

Volunteers are an integral part of your classroom and during this field trip. On your checklist letter and on the field trip form, you will find a suggested number of volunteers that are needed for this event. Please be aware that there may be components of this field trip where volunteers will need to read English. If this is difficult for some of your volunteers, we will try to place them at stations with little or no reading but this is not always possible.



## Student Booklets



Teacher's Pet is going green! We are committed to helping the environment in accordance with green initiatives undertaken within schools. We are currently in the process of reducing the length of or eliminating the student booklets that have been used in our field trips. We understand that photocopying costs are steep and excess paper usage is not good for the environment.

As change takes time, some of our field trips will still have a reproducible student booklet this year. We thank you for your patience during this time of transition.

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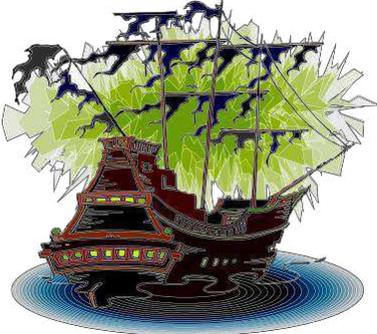
IN-SCHOOL FIELD TRIP FORM

A Teacher's Pet Educational Services In-School Field Trip is visiting our classroom! Our students will have an opportunity to participate in interactive stations while learning several key components of the curriculum.

Here is brief outline of our learning adventure!

***Buoyancy and Boats***

Arrr, Matey! Come set sail on the ship Buoyancy and find out what a Pirate needs to know to stay afloat. This exciting adventure will show all land lubbers that it takes special characteristics to float and move in water. Take what you've learned and make your own paddle boat and become a pirate too!



Date of presentation: \_\_\_\_\_ Time of presentation: \_\_\_\_\_

Cost: \_\_\_\_\_ Please return your payment for this event by \_\_\_\_\_

✂ -----

I hereby give my son/daughter \_\_\_\_\_ permission to participate in the Buoyancy and Boats In-School Fieldtrip on \_\_\_\_\_ at \_\_\_\_\_ AM/PM.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Amount enclosed: \_\_\_\_\_

In order for your child to receive the maximum benefit from this field trip, we will require 3-4 volunteers to help out in station activities. Please arrive at least 15 minutes before the scheduled field trip time to receive instructions.

I will be able to volunteer.  
Name/phone number: \_\_\_\_\_

I am sorry, but I will not be able to volunteer.



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## CHECKLIST

The following is a checklist to help you prepare for this exciting event. We kindly recommend that this checklist is followed to ensure a smooth and productive field trip.

### Before the field trip:

- If it is your policy to send home a field trip form letter for in-school field trips, you are welcome to use the one included in this package. It has been provided for your convenience!
- 3-4 volunteers are required and they should arrive at least 15 minutes prior to the beginning of the field trip.
- There is an OPTIONAL Student Booklet to photocopy (to be used AFTER the in school field trip only).



### Day of the field trip:

- Please organize your classroom in the following way:
  - 3 table centres with chairs (or 4 desks pushed together at each centre)
  - Open floor space to build boats (will need to accommodate half of the students)
  - We will need access to water.
- Divide your class into 2 groups. They do not need to be in these groups at the beginning of the field trip but will break into their groups shortly afterwards. If you have already decided how the students will be divided up, it will ensure a smooth transition.
- Please provide each student with a name tag.
- The Teacher's Pet representative will arrive approximately 20-30 minutes prior to the scheduled field trip to set up stations and talk to parent volunteers.

### During the field trip:

- Half of the students will build a paddle boat while the other students will rotate through 3 stations. Afterwards, the groups will switch.
- The Teacher's Pet representative does not replace the classroom teacher. It is beneficial for the classroom teacher to roam freely to provide positive reinforcement and troubleshoot. This is a great opportunity to monitor and assess your students' learning!
- Since students are quite involved during the field trip, it is necessary for them to stay in for recess.

### After the field trip:

- Please fill out the online evaluation form found at <https://tpet.wufoo.com/forms/r7x3a7/>. Your input is very valuable and very much appreciated!

### Payment:

- Please refer to the Payment section included on the "For Your Information..." page for detailed information about our Payment Policy.

Please contact us if you have any questions or comments. Thank you for allowing us the privilege of visiting your classroom!

Best wishes,

The Teacher's Pet Team

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## LEARNER OUTCOMES

The following **Learner Outcomes** are explored to varying degrees within the 2 hour Grade 2 In-School Field Trip, Buoyancy and Boats.

### General Learner Expectations

*Students will:*

2–7 Construct objects that will float on and move through water, and evaluate various designs for watercraft.

### Specific Learner Expectations

*Students will:*

- describe, classify and order materials on the basis of their buoyancy. Students who have achieved this expectation will distinguish between materials that sink in water and those that float. They will also be aware that some “floaters” sit mostly above water, while others sit mostly below water. The terms buoyancy and density may be introduced but are not required as part of this learning expectation.
- alter or add to a floating object so that it will sink, and alter or add to a non- floating object so that it will float.
- assemble materials so they will float, carry a load and be stable in water.
- modify a watercraft to increase the load it will carry.
- modify a watercraft to increase its stability in water.
- adapt the design of a watercraft so it can be propelled through water.

