2019 – 2020
ENVIRONMENTAL EDUCATION PROGRAMS
Field trips, classroom visits, and more for students
Dear Teachers,

We’re so glad you’re considering a visit to Irvine Nature Center. We have a wide variety of environmental education programs for students and teachers – including high-quality field trips and engaging classroom presentations.

Our facilities include a green building with classrooms, a certified Outdoor Classroom, a three-season Butterfly House, Raptor Aviary and an Exhibit Hall with several species of live native animals. We are a perfect spot for exploring the outdoors, with 210 acres of forests, meadows, streams, and wetlands.

Irvine Field Trips complement Baltimore County and City Public School science curricula, Environmental Literacy Standards, Next Generation Science Standards (NGSS), and are easily adapted to coursework at private schools and neighboring counties. If your class is unable to travel to Irvine, we also offer Nature in the Classroom (page 9) so that children can interact with nature at your location.

Completed forms can be sent by mail, fax or email. Please use the forms within this brochure or on our website at www.ExploreNature.org. Be sure to let us know if you have thoughts or questions – we look forward to working with you and your school group.

Sincerely,

Robert Mardiney
Director of Education
Irvine Nature Center
General Information

FIELD TRIPS

During most trips, students work in small groups to make observations, collect data, compare and classify organisms, and draw conclusions. Students who visit Irvine receive the maximum benefit if the trip is taught as one part of a school unit.

To help enrich the experience, Irvine sends background information and pre/post field trip activity suggestions to teachers. Many of our field trips complement the Baltimore County and City Public School science curricula (see tables on page 8 & 9), Environmental Literacy Standards, and Next Generation Science Standards.

To schedule a trip, complete and return the enclosed registration form as soon as possible. Forms will be processed in the order they are received.

Private School and Home School Groups

In addition to the listed field trip topics, private and home school groups can contact Irvine to see if programs can be tailored to their specific science curriculum.

Middle School, High School & College Groups

Field trips for middle school, high school and college groups are tailored to the needs of the specific class. Modifications of some trips can be arranged for older age groups and we welcome requests for other topics. Teachers should call Irvine to discuss options. Check out the Team Building field trip on page 5.

Special Needs Student Groups

Children with special needs can benefit from brief nature walks and hands-on animal demonstrations either at Irvine or as an outreach program. Call us for details.

Need Help?
Contact Tara Lilley at 443-738-9211 or LilleyT@ExploreNature.org.

ABOUT IRVINE

Established as a non-profit in 1975, Irvine Nature Center is an environmental education organization. Our mission is to educate and inspire current and future generations to explore, respect and protect nature. At Irvine, we guide learning. We live green. We foster respect. And we thrive outdoors.

2019-2020
FIELD TRIP SEASON DATES

September 16 - November 27
January 27 - March 6
March 23 - May 29
FIELD TRIPS

Irvine offers 12 different field trips for school groups. The descriptions below will help you find the program that works best for your students. All field trips are led by Irvine’s team of knowledgeable naturalists.

To register for a field trip, complete and return the appropriate forms.

For more information, contact Tara Lilley at 443-738-9211 or LilleyT@ExploreNature.org

SENSATIONAL SEASONS
Children use all of their senses as they explore the woods, meadows and other habitats surrounding Irvine and the natural events characteristic of the current season. This program complements the Baltimore County kindergarten unit Checkerspot Challenge.

Ages: 4 - K; 1st grade - 3rd grade
Max group size: 50 children
Cost: $6/student (4 - K)
$8/student (1st - 3rd)
Length: 2 hours (4 - K)
3 hours (1st - 3rd)
Available: Fall & Spring

MAPLE MAGIC
Students learn how to recognize maple trees, how sap moves within trees and how the sap is collected and made into syrup. This program complements many Baltimore County units, including Checkerspot Challenge (K), Let Us Grow (3), and Turtle Trouble (4).

Ages: 4 - college
Max group size: 50 children
Cost: $6/student
Length: 2 hours
Available: January 27 - March 6

BEE-LIEVE IT OR NOT
Students will visit Irvine’s meadow to observe pollinators up close and in action! They will learn about the important components of an animal’s habitat, and how a meadow supports these needs for both butterflies and bees. The connection between pollinators, plants, and people will also be explored. This program complements the Baltimore County kindergarten unit Checkerspot Challenge.

Ages: K – 1st grade; 2nd - 3rd grade
Max group size: 50 children
Cost: $6/student (K – 1st)
$8/student (2nd - 3rd)
Length: 2 hours (K – 1st)
3 hours (2nd - 3rd)
Available: Sept. & Oct.; Apr. & May

CREATURE FEATURES
Students take to the trails to catch, observe and release a variety of mini-beasts (insects, salamanders, etc.) in different habitats. They will learn how animals survive in the habitats they live in based on their adaptations. An indoor presentation introduces animal adaptations through the use of both live animals and animal artifacts. This program complements the Baltimore County 1st grade unit Creeper and Creature Features and 2nd grade unit Bee an Engineer.

Ages: 1st grade - 2nd grade
Max group size: 50 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

WHERE THE WILD THINGS ARE
Students transform into scientists as they investigate the diversity of plants and animals in Irvine’s stream, meadow, and forest habitats. Students receive hands on instruction through a station based field trip. This program complements the Baltimore County 2nd grade unit Bee an Engineer and the 3rd grade unit Murray the Mayfly.

Ages: 2nd grade - 3rd grade.
Max group size: 50 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

DECOMPOSITION DETECTIVES
Students learn how energy flows through a food web and how decomposers break down organic material. Students do their own research and draw conclusions about the relationship between the size of earthworm populations and habitat type. Students leave with data that can be used in the classroom to create charts, graphs and reports, adding a cross-curricular component. This program complements the Baltimore County 3rd grade unit Murray the Mayfly and 4th grade unit Turtle Trouble.

Ages: 3rd - 4th grade
Max group size: 30 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

AQUATIC DISCOVERIES
Students explore Irvine’s aquatic habitats in search of the unique plants and animals that live here. By making observations of their surroundings and collecting data on water quality and animal life, students analyze the health of these ecosystems. Students also discuss the importance of streams and wetlands and how they contribute to the overall health of the Chesapeake Bay. This program complements the Baltimore County 3rd grade unit Murray the Mayfly and 4th grade unit Turtle Trouble.

Ages: 3rd grade - 8th grade.
Max group size: 30 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

BIRD IS THE WORD
Students will get hands on field research experience by conducting a bird census and recording observations of behaviors, flight patterns, field marks and habitats. With an emphasis on adaptations that support survival. Students will also learn the flow of energy through a raptor’s diet. An indoor presentation introduces the unique adaptations of birds in an up close encounter. This program complements Baltimore County 4th grade unit Turtle Trouble.

Ages: 4th grade - 5th grade.
Max group size: 30 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring
WILDERNESS SURVIVAL
All living things need certain conditions and resources to survive. Experience wilderness survival first hand through activities designed to encourage problem solving, teambuilding, and an understanding of basic human, animal, and plant needs.

Ages: 6th – 8th grade
Max group size: 30 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

INTRODUCTION TO ENVIRONMENTAL EDUCATION
Discuss how to make science come alive, the effective use of a nature center’s resources and how to prepare for a field trip. We’ll also experience an outdoor walk involving hands-on, environmental games and activities. Recommended for college majors in natural sciences, education, psychology and other related areas.

Ages: college classes
Max group size: 30
Cost: $8/student
Length: 3 hours
Available: Fall - Summer

NATIVE AMERICANS OF THE EASTERN WOODLANDS
Take a step back in time by exploring Irvine Nature Center’s new Native American site. Learn how pre-colonial Native Americans used local natural resources to thrive as a community. Students will learn about tools, clothing, foods, living structures, fire-making methods as well as Native American games and communication.

Ages: 3rd – 8th grade
Max group size: 40 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

OBSTACLES ARE OPPORTUNITIES: TEAMBUILDING & INVASIVE SPECIES
Service learning is an effective way to build and foster connections with each other and the environment. Students will enjoy teambuilding activities to strengthen communication and then test their skills by removing invasive plants. Together we can make a difference!

Ages: 6th – 12th grade
Max group size: 50 children
Cost: $8/student
Length: 3 hours
Available: Fall & Spring

<table>
<thead>
<tr>
<th>TRIP NAME</th>
<th>LENGTH (hours)</th>
<th>COST</th>
<th>MAX # OF</th>
<th>AGE/GRADE</th>
<th>SEASONS</th>
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<tbody>
<tr>
<td>SENSATIONAL SEASONS</td>
<td>2</td>
<td>$6</td>
<td>50</td>
<td>Age 4 – K</td>
<td>fall, spring</td>
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<tr>
<td></td>
<td>3</td>
<td>$8</td>
<td>50</td>
<td>1st – 3rd</td>
<td></td>
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<tr>
<td>MAPLE MAGIC</td>
<td>2</td>
<td>$6</td>
<td>50</td>
<td>Age 4 – college</td>
<td>Feb. – March</td>
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<td>BEE-LIEVE IT OR NOT</td>
<td>2</td>
<td>$6</td>
<td>50</td>
<td>Age 4 – K</td>
<td>Sept. – Oct;</td>
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<tr>
<td></td>
<td>3</td>
<td>$8</td>
<td>50</td>
<td>1st – 2nd</td>
<td>Apr. – May</td>
</tr>
<tr>
<td>CREATURE FEATURES</td>
<td>3</td>
<td>$8</td>
<td>50</td>
<td>1st – 2nd</td>
<td>fall, spring</td>
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<tr>
<td>WHERE THE WILD THINGS ARE</td>
<td>3</td>
<td>$8</td>
<td>50</td>
<td>2nd – 3rd</td>
<td>fall, spring</td>
</tr>
<tr>
<td>DECOMPOSITION DETECTIVES</td>
<td>3</td>
<td>$8</td>
<td>30</td>
<td>3rd – 4th</td>
<td>fall, spring</td>
</tr>
<tr>
<td>AQUATIC DISCOVERIES</td>
<td>3</td>
<td>$8</td>
<td>30</td>
<td>3rd – 8th</td>
<td>fall, spring</td>
</tr>
<tr>
<td>BIRD IS THE WORD</td>
<td>3</td>
<td>$8</td>
<td>50</td>
<td>4th – 5th</td>
<td>fall, spring</td>
</tr>
<tr>
<td>WILDERNESS SURVIVAL</td>
<td>3</td>
<td>$8</td>
<td>30</td>
<td>3rd – 8th</td>
<td>fall, spring</td>
</tr>
<tr>
<td>NATIVE AMERICANS...</td>
<td>3</td>
<td>$8</td>
<td>40</td>
<td>3rd – 8th</td>
<td>fall, spring,</td>
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<tr>
<td>Obstacles are Opportunities...</td>
<td>3</td>
<td>$8</td>
<td>50</td>
<td>6th – 12th</td>
<td>fall, late spring</td>
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<tr>
<td>INTRO TO ENVIRONMENTAL ED.</td>
<td>3</td>
<td>$8</td>
<td>30</td>
<td>college</td>
<td>fall, spring, summer</td>
</tr>
</tbody>
</table>

All 3-hour Field Trips include ~45 minutes for lunch and time to explore of Irvine’s exhibit hall or outdoor classroom.
Irvine Nature Center strives to provide the highest quality environmental education programs for students. Our engaging naturalists and educators provide unique experiences for children, while ensuring that our programs complement state education requirements. It’s our goal to help supplement the work that students complete in the classroom.

<table>
<thead>
<tr>
<th>TRIP NAME</th>
<th>BALT. COUNTY CURRICULUM MATCH</th>
<th>BALT. CITY CURRICULUM MATCH</th>
<th>SCIENCE STANDARDS COVERED (See website for details)</th>
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</thead>
<tbody>
<tr>
<td>SENSATIONAL SEASONS</td>
<td>K– Checkerspot Challenge</td>
<td>K– Plants and Animals</td>
<td>Weather observations and patterns; Plants and animals have structures that function to support survival, growth and reproduction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1– Wonders of Life 2– What do Plants Need</td>
<td></td>
</tr>
<tr>
<td>MAPLE MAGIC</td>
<td>K– Checkerspot Challenge</td>
<td>K– Plants and Animals</td>
<td>What plants need to survive; Plants and animals have structures that function to support survival, growth and reproduction</td>
</tr>
<tr>
<td></td>
<td>3– Let Us Grow 4– Turtle Trouble</td>
<td>1– Wonders of Life 2– What do Plants Need</td>
<td></td>
</tr>
<tr>
<td>BEE-LIEVE IT OR NOT</td>
<td>K– Checkerspot Challenge</td>
<td>K– Plants and Animals</td>
<td>What plants &amp; animals need to survive; How plants and animals use their external parts; The function of an animal pollinating plants</td>
</tr>
<tr>
<td></td>
<td>2– Bee an Engineer</td>
<td>1– Wonders of Life 3– Survival of the Fittest</td>
<td></td>
</tr>
<tr>
<td>CREATURE FEATURES</td>
<td>1– Creeper and Creature Features 2– Bee an Engineer</td>
<td>1– Wonders of Life 3– Insect Encounter</td>
<td>Young plants and animals are like, but not exactly like, their parents; Diversity of life in different habitats</td>
</tr>
<tr>
<td>WHERE THE WILD THINGS ARE</td>
<td>2– Bee an Engineer</td>
<td>3– Insect Encounter</td>
<td>Diversity of life in different habitats; Traits can be influenced by the environment</td>
</tr>
<tr>
<td></td>
<td>3– Murray the Mayfly</td>
<td>3– Survival of the Fittest</td>
<td></td>
</tr>
<tr>
<td>DECOMPOSITION DETECTIVES</td>
<td>3– Murray the Mayfly</td>
<td>3– Insects Encounter</td>
<td>Organisms with unique and diverse life cycles and commonalities; Plants and animals have structures that function to support survival, growth and reproduction</td>
</tr>
<tr>
<td></td>
<td>4– Turtle Trouble</td>
<td>3– Survival of the Fittest</td>
<td></td>
</tr>
<tr>
<td>AQUATIC DISCOVERIES</td>
<td>3– Murray the Mayfly</td>
<td>3– Survival of the Fittest</td>
<td>In a particular habitat some organisms can survive, some survive less well, and some cannot survive at all; Organisms have internal and external structures that support survival, growth, behavior, and reproduction</td>
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<tr>
<td></td>
<td>4– Turtle Trouble</td>
<td>5– The Water Cycle 5– Save the Bay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6– Ecosystem Interactions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIRD IS THE WORD</td>
<td>4– Turtle Trouble</td>
<td>5– Save the Bay</td>
<td>Plants and animals have structures that function to support survival, growth, behavior, and reproduction; The movement of matter among plants, animals, decomposers, and the environment.</td>
</tr>
<tr>
<td>WILDERNESS SURVIVAL</td>
<td>7– Partners in Survival</td>
<td>6– Where have all the Creatures Gone?</td>
<td>Environmental and genetic factors influence the growth and survival of organisms; Design solutions for maintaining biodiversity and ecosystem services</td>
</tr>
<tr>
<td>NATIVE AMERICANS...</td>
<td>4– Earliest Americans 6– Earliest Human Societies</td>
<td>5– Maryland’s History</td>
<td>The impact of geography on Native American cultures; How people adapt, modify, impact, and make choices based on the natural environment</td>
</tr>
<tr>
<td>OBSTACLES ARE OPPORTUNITIES...</td>
<td>6– Ecosystem Interactions 7– Partners in Survival</td>
<td>Not Applicable</td>
<td>How to support native wildlife species; Environmental factors affect an organism’s survival</td>
</tr>
<tr>
<td>INTRO TO ENVIRONMENTAL ED.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Field Trip Registration Procedures

Scheduling your field trip is as easy as

1. Fill out our Field Trip Registration Form (next page) with your information. Write your TOP THREE field trip dates in the box provided on the top of the form. Complete the chart in the middle of the form with information about EACH GROUP that you wish to schedule.

2. Scan and return the form as soon as possible by email to Tara Lilley at LilleyT@ExploreNature.org. You may also return the form through paper mail or hand-deliver your form to Irvine Nature Center. Our field trip calendar fills quickly, so be sure to schedule your trip as soon as possible.

3. Once your form is received, you will receive an email confirming your trip. Your field trip is not confirmed until you receive an email from our staff. If your selected dates are not available, we will work with you to accommodate your class or group.

FIELD TRIP POLICIES & PROCEDURES

GROUP SIZE
Irvine can accommodate a maximum of 50 students each morning or afternoon. Teachers wishing to schedule groups larger than 50 should divide the class into smaller groups and schedule them on different days. Unfortunately, we cannot accommodate groups of less than 5 students. Groups between 5 and 10 students will be charged for 10 students.

FIELD TRIP PREPARATION
Field trips take place outdoors. Children and adults should dress appropriately for weather conditions. Please be sure that all students have name tags. Irvine provides one leader for each trail group of 10 students. It is helpful if students are broken into trail groups prior to arrival.

CHAPERONES & CARPOOLING
The group should bring a minimum of one – but no more than two – adults for every 10 students. Adults include teachers, teacher aides and parents. Any adults beyond the maximum of two adults per ten students will be charged the same rate as the students. Carpooling is encouraged.

STARTING TIMES
Morning trips usually begin at 10 a.m. and afternoon trips at 12:30 p.m. or later. However, start times are flexible. Please read your field trip description for limitations.

WEATHER CONDITIONS
Irvine will not make a decision on weather-related cancellations until very early the morning of the program. If Irvine deems weather conditions unsafe, your contact person will be called by an Irvine staff person.

FIELD TRIP CONFIRMATION
Once your school is scheduled, we will email you a confirmation packet. If we are unable to schedule a field trip, we will call and notify you and place your group on a wait list.
Field Trip Registration Form
2019 - 2020 School Year

Please complete this form, scan it, and return to Tara Lilley at LilleyT@ExploreNature.org. You may also choose to mail or hand-deliver a paper copy to Irvine Nature Center, c/o Tara Lilley.

PROGRAM DATES

Please list your top three program date choices below. We will send you an email confirmation notice once it has been scheduled. Please observe the field trip season dates, and remember to avoid:

- School holidays
- Teacher professional development days
- Student testing days

The following 2019 dates are NOT available: October 10, October 11, October 22, October 23, October 24, October 25

TOP THREE CHOICES:

1. ___________________
2. ___________________
3. ___________________

School or organization_________________________________________ □ Public □ Private
Contact person_________________________________________________
Address___________________________________________________________ □ Home □ School
City________________________ State________ Zip____________________
Phone (school)_________________ Phone (other) ________________
Email__________________________________________________________
Best way to contact you______________________________________________
Location: □ Baltimore County □ Baltimore City □ Other(specify)_________________

<table>
<thead>
<tr>
<th>Group#</th>
<th>Grade</th>
<th>Trip Title</th>
<th># of children</th>
<th>Desired start time?</th>
<th>Picnic Lunch time required?</th>
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<tbody>
<tr>
<td>EXAMPLE</td>
<td>2ND</td>
<td>Sensational Seasons</td>
<td>40</td>
<td>10am</td>
<td>Y N</td>
</tr>
<tr>
<td>Group 1</td>
<td></td>
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<tr>
<td>Group 2</td>
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<tr>
<td>Group 3</td>
<td></td>
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</tbody>
</table>

** Please note: a minimum of one, but no more than two adults per 10 students allowed

If you prefer mornings, but mornings are filled, would you accept an afternoon
□ Yes □ No

What is the latest time your group could leave Irvine (bus schedule):______________

Are you a Title 1 school? □ Yes □ No

How many students have an IEP? ___________ How many have a 504 plan?__________

Do your students have any special physical, behavioral, or educational needs that Irvine staff members should be aware of? □ Yes □ No

If yes, please explain: ________________________________________________________

_____________________________________________________

____________________________________________

How did you hear about Irvine’s field trips?
□ Social media
□ Word of mouth
□ Email
□ School
□ Google/internet
□ Magazine ________________________
□ Other (please specify – it helps us a lot!) ____________________________

2019-2020 FIELD TRIP SEASON DATES

September 16 - November 27
January 27 - March 6
March 23 - May 29

OFFICE USE ONLY

Date Received _______________________

Confirmation sent ___________________
Irvine’s Nature in the Classroom program is designed for groups that cannot visit us. These programs take place at your school. To schedule a Nature In The Classroom visit for your school, complete the form (next page) or visit our website at www.ExploreNature.org.

For more information, contact Tara Lilley at 443-738-9211 or LilleyT@ExploreNature.org

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>LENGTH (HRS)</th>
<th>COST</th>
<th>GRADE</th>
<th>CURRICULUM LINK</th>
</tr>
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<tbody>
<tr>
<td>All About Animals</td>
<td>1</td>
<td>$175-$275</td>
<td>Age 3 - K</td>
<td>K - Checkerspot Challenge</td>
</tr>
<tr>
<td>Animal Super Heroes</td>
<td>1</td>
<td>$175-$275</td>
<td>Pre-K – K</td>
<td>K - Checkerspot Challenge</td>
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<tr>
<td>Taking Care of the Earth</td>
<td>1.5</td>
<td>$200</td>
<td>K – 2nd</td>
<td>K - Checkerspot Challenge</td>
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<td>Survival of the Fittest</td>
<td>1</td>
<td>$175-$275</td>
<td>1st - 6th</td>
<td>1 - Creature Features</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>2 - Bee an Engineer</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 - Let Us Grow</td>
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<tr>
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<td>4 - Turtle Trouble</td>
</tr>
<tr>
<td>Chesapeake Connections</td>
<td>1.5</td>
<td>$200</td>
<td>3rd - 6th</td>
<td>3 - Let Us Grow</td>
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<tr>
<td>MD’s Native Americans</td>
<td>1.5</td>
<td>$200</td>
<td>3rd - 6th</td>
<td>Culture</td>
</tr>
<tr>
<td>Earth Rocks!</td>
<td>1.5</td>
<td>$200</td>
<td>3rd - 6th</td>
<td>3 - Murray the Mayfly</td>
</tr>
<tr>
<td>Hunters of the Sky</td>
<td>2</td>
<td>$200</td>
<td>3rd - 6th</td>
<td>3 - Let Us Grow</td>
</tr>
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</table>

**ALL ABOUT ANIMALS**
Why can’t a frog fly? Why do worms wiggle? How do you know an animal is alive? During an interactive presentation with several live animals, animal mounts, and animal artifacts students will learn how to classify animals based on their features.

**Ages:** Age 3 - K  
**Group size & Cost:** 1–50 $175  
51–100 $225  
>100 $275

**LENGTH:** 1 Hour

**ANIMAL SUPER HEROES**
What animal super powers would you like to have? Students learn about the awesome adaptations that animals have to survive. Children hear a story about animals, meet a variety of live animals and mimic different animals’ super powers.

**Ages:** Age 4 – K  
**Group size & Cost:** 1–50 $175  
51–100 $225  
>100 $275

**LENGTH:** 1 Hour

**TAKING CARE OF THE EARTH**
Students will participate in exciting hands-on explorations that help them discover the many ways they can help take care of the earth. From recycling to composting, students will leave knowing that they can make a big difference.

**Ages:** K – 2nd grade  
**Max group size:** 30 children  
**Cost:** $200  
**LENGTH:** 1.5 hours

**SURVIVAL OF THE FITTEST**
This hands-on program provides students with the opportunity to observe, touch, and learn about unique animal adaptations. We’ll guide students toward the discovery of exceptional animal characteristics and behaviors that help organisms survive.

**Ages:** 1st grade – 6th grade  
**Group size & Cost:** 1–50 $175  
51–100 $225  
>100 $275

**LENGTH:** 1 Hour

**CHESAPEAKE CONNECTIONS**
The Chesapeake Bay, famous for its bounty and rich history, needs continued stewardship to protect its many resources. We'll lead students through hands-on activity stations that explore water quality, the Chesapeake Bay watershed and its tributaries, and actions students can take to help keep our Bay healthy.

**Ages:** 3rd grade – 6th grade  
**Max group size:** 30 children  
**Cost:** $200  
**LENGTH:** 1.5 hours

**MARYLAND’S NATIVE AMERICANS**
This program focuses on Native American use of local natural resources. A hands-on presentation discusses friction fire making methods, replica tools and equipment, and Native American games and communication.

**Ages:** 3rd grade – 6th grade  
**Max group size:** 30 children  
**Cost:** $200  
**LENGTH:** 1.5 hours

**EARTH ROCKS!**
Students learn about rocks and minerals first-hand. This introductory program includes a series of hands-on activity stations that teach students to identify minerals and rocks through observation and experimentation.

**Ages:** 3rd grade – 6th grade  
**Max group size:** 30 children  
**Cost:** $200  
**LENGTH:** 1.5 hours

**HUNTERS OF THE SKY**
Take an in-depth look at hawks and owls, using mounts and live animals, to study how their adaptations allow them to survive in Maryland’s ecosystems. Learn about unique traits common to all birds of prey. Groups rotate among hands-on stations to explore owl pellets, migration, and bio magnification.

**Ages:** 3rd grade – 6th grade  
**Max group size:** 30 children  
**Cost:** $200  
**LENGTH:** 2 hours
Please complete this form, scan it, and return to Tara Lilley at LilleyT@ExploreNature.org. You may also choose to mail or hand-deliver a paper copy to Irvine Nature Center, c/o Tara Lilley.

**PROGRAM DATES**

Please list your top three program date choices below. We will send you an email confirmation notice once it has been scheduled. Please observe the field trip season dates, and remember to avoid:

- School holidays
- Teacher professional development days
- Student testing days

**TOP THREE CHOICES:**

1. __________________________
2. __________________________
3. __________________________

School or organization__________________________________________

Contact person___________________________________________________

Mailing Address___________________________________________________

City_______________________ State_______ Zip_________________________

Phone (school)_________________ Phone (other) _______________________

Email_____________________________________________________________

Best way to contact you___________________________________________

Program Address (if different than mailing address):

Address __________________________________________________________

City_______________________ State_______ Zip_________________________

Location:  
- [ ] Baltimore County
- [ ] Baltimore City
- [ ] Other (specify)__________________

School Level:  
- [ ] PreK – K
- [ ] Elementary
- [ ] Middle

Nature In The Classroom Program You’re Interested In ____________________

Age/Grade Level ________ Expected # of Students _____ # of Teachers _____

Desired start time (NOTE: programs start at 10AM unless otherwise noted) _______

Are you a Title 1 school?  
- [ ] Yes
- [ ] No

How many students have an IEP? ________________ How many have a 504 plan? ______

Do your students have any special physical, behavioral, or educational needs that Irvine staff members should be aware of?  
- [ ] Yes
- [ ] No

If yes, please explain: ________________________________________________

How did you hear about Irvine’s field trips?

- [ ] Social media
- [ ] Word of mouth
- [ ] Email
- [ ] School
- [ ] Google/internet
- [ ] Magazine
- [ ] Other (please specify - it helps us a lot!) ___________________________

**NOTE: A $25 travel fee will be added for schools located more than 25 miles from Irvine Nature Center.**
Irvine offers professional development workshops for teachers to help integrate environmental education and outdoor learning into the curriculum.

For more information, visit our website at www.ExploreNature.org or contact Tara Lilley at LilleyT@ExploreNature.org or 443-738-9211.

THE NATURE PRESCHOOL CONFERENCE AT IRVINE
The Nature Preschool Conference is a gathering place for educators of children age birth to fourteen to share ideas, learn from experts, engage in discussion, and get hands-on experience. We encourage participants to think critically, ask questions, reflect on their practice, and share their experiences with all as we strengthen our growing community dedicated to powerful learning through play and interaction with the natural world. **APRIL 3 – 4, 2020**

NON-CREDIT WORKSHOPS:

**PROJECT WILD / AQUATIC WILD**
Project WILD’s mission is to help students learn how to think, not what to think, about wildlife and the environment. All curriculum materials are backed by sound educational practices and theory and represent the work of many within the fields of education and natural resource management from across the country.

**PROJECT WET**
This program offers lessons and materials for educators on diverse water topics so that those educators can reach children with objective, experiential, science-based water education.

**PROJECT LEARNING TREE (PLT)**
Enhance your teaching skills and become comfortable teaching outdoors. Educators receive multi-disciplinary, hands-on lessons aligned with state and national academic standards.

**WONDERS OF WETLANDS**
A comprehensive guide for developing wetlands study programs, grades K through 12. Activities are organized into five sections: wetland definitions, wetland plants and animals, water quality and supply issues, soils, and people. Each activity is correlated to National Science Education Standards and outlines skill levels, materials, procedures, and appropriate assessment techniques.

**GROWING UP WILD**
This early childhood education program builds on children’s sense of wonder about nature and invites them to explore wildlife and the world around them. Through a wide range of activities and experiences, Growing Up WILD provides an early foundation for developing positive impressions about the natural world and lifelong social and academic skills.

**FLYING WILD**
Through activities involving language arts, social science and math experiences, coupled with community outreach and service learning applications, Flying WILD offers a whole-school approach to environmental education using birds as the focus. Targeted for the middle-school audience, though widely adaptable, Flying WILD offers practical hands-on classroom and outdoor field investigation experiences connecting real-world experiences in bird biology, conservation, and natural history.

**EARLY CHILDHOOD PROJECT LEARNING TREE (PLT)**
This program is offered to early childhood educators for their work with younger learners. It is designed to teach young children about their environment and how they can make a difference, while developing their skills in language, mathematics, science, and more.

These seven environmental education workshops include many hands-on activities for use in the classroom and the schoolyard. Workshops range from 4–6 hours in length. Participants receive a curriculum guide with dozens of activities.

*For specific dates and times, check Irvine’s list of upcoming programs and events at www.ExploreNature.org.*
ECO-EXPLORERS
BEFORE & AFTER SCHOOL CLUB

A fun and inspiring alternative to traditional before & after school care featuring:

Science experiments, nature discovery, nature crafts, live animal encounters, and active outdoor exploration

To get Eco-Explorers at your school, contact Tara Lilley at LilleyT@ExploreNature.org