



Hands On Science

MCCPTA-Educational Programs, Inc.
www.hosprograms.org

Fall Registration

8 weeks

Cost: \$90

Registration due to HOS volunteer by 9/16/2011.




Classes begin the week of 10/10/2011 at your school.

Your HOS Volunteer Elizabeth Whitman

Phone: 301-983-4532

Email elizabethwhitman@verizon.net

NATURAL, NON-SOLAR ENERGY

Motion Commotion	Action Attraction	Earth Power
GRADES K-1	GRADES 2-3	GRADES 4-6
 <p>Day <u>Tuesdays or Thursdays</u> Time <u>3:30-4:30</u></p> <p>Explore the physics of movement in playful ways: What energy makes a jumping bug jump? How can you get that toy boat to zip across the water? Make a gravity fighter. Particles dance in a static tube! What keeps a paper towel dry under water? You'll be really attracted to magnetism.</p>	 <p>Day <u>Thursdays</u> Time <u>3:30-4:30</u></p> <p>You're in the power seat! Control your "springer." Physics is in and around you. Turn a full cup of water upside down without a spill. Use water power to spin a turbine. Go with the flow of air pressure. Have you ever used static electricity to separate salt and pepper? Amaze your friends with a balancing cat.</p>	 <p>Day <u>N/A</u> Time _____</p> <p>Have you got samples of volcanic rocks and ash? Take them home after modeling a volcano and watching it blow. Find your own real microfossils and make models of others. Move continents on your tectonocycle. Will you help save the earth from strip mining? Or an oil spill? Where's your power?</p>

General Policies and Payment Information Explained on Back

TO REGISTER YOUR CHILD FOR THIS HOSO SESSION, CLIP AND RETURN THIS PORTION / PLEASE PRINT

Name _____ Gender _____ Grade _____ Phone (H) _____ (W) _____

Parent's name _____ Address _____ Zip _____

Email _____

Emergency Contact Person _____ Phone _____

HOS class choice _____ Day _____ Time _____

Daytime school _____ Homeroom teacher _____

- My payment reflects a donation to support the Hands On Science Program. Pay via PayPal at www.hosprograms.org or write a check to MCCPTA-EPI Hands On Science and submit with this registration
- I have paid via PayPal at www.hosprograms.org and attached my payment receipt to this registration
- My Personal Check is made out to the elementary school's PTA (example: Lutherville ES PTA)

I have read and understand the HOS General Policies (on back). Parent/Guardian signature _____

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Send this form, along with check or Paypal receipt to:
Elizabeth Whitman, 10808 Gainsborough Rd., Potomac, MD 20854

GENERAL POLICIES: Unless otherwise notified, classes meet for one hour. The minimum class size is 10. Children must register for their current grade level. There is no food consumption during class. Once registered, there are no refunds unless the program is canceled. HOS Adult Leaders do not have access to children's school records. We reserve the option of requiring the withdrawal, without a refund, of any child whose inappropriate behavior prevents the class from proceeding constructively despite the efforts of staff and parents. There are no provisions for supervising children when they are not actually in class and neither the HOS Programs nor the facility can assume responsibility for them. Parents who fail to pick up their children on time will be asked to withdraw them without a refund. Please be aware that any materials, including ours, can be unsafe when not used as intended. Photos and video recordings of the children may be used for publicity purposes. Data may be collected confidentially for research purposes only. The MCCPTA-EPI Hands On Science Programs admit students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students in the program. HOS Programs do not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies.

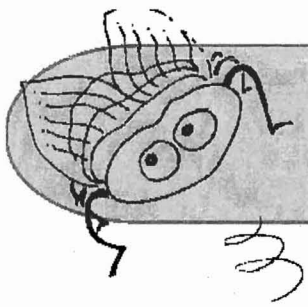
Contributions

1. **CONSIDER MAKING A DONATION TO HANDS ON SCIENCE** – via PayPal or personal check (written to MCCPTA-EPI Hands On Science) you may contribute the dollar amount of your choosing to:
 - **The Hands On Science Program** – our not-for-profit organization partners with schools and communities to provide quality science enrichment activities for children in Pre-K through sixth grade.
 - **Scholarship Fund** – Makes Hands On Science classes available to children who would otherwise not have the financial means to attend (full scholarship is \$90, half \$45)
2. **eSCRIP** – Sign up online with eScrip and every time you shop at Safeway (or other participating merchants), you can earn money for HOS. It's quick and easy, and there's no cost to you. Go to www.escrip.com, click on "sign-up" and enter the name "Hands On Science". Then follow the instructions to register your Safeway card and your existing credit/debit card.

All registration forms and payments are due to your HOS Coordinator by September 16. Unfortunately, we are unable to accept late registrations.

Payment

3. **PAY FEE ONLINE VIA PAYPAL** – Visit the Hands On Science website at www.hosprograms.org and click on the payment link. Follow the instructions and submit payment. Print a copy of the payment receipt and attach to your registration form. Place both in an envelope addressed to your Hands On Science Volunteer Coordinator on or before the date due.
4. **PAY FEE BY PERSONAL CHECK** - Make a separate check for each child payable to your school's PTA (Ex. *Lutherville Elementary School PTA*). Place registration form and your check in an envelope addressed to your Hands On Science Volunteer Coordinator by September 16.



Motion Commotion

NATURAL ENERGY

Grades
K-1

Explore the natural forces at work all around us!

Fall Hands On Science (HOS) classes now enrolling! During eight, one-hour classes, your child will explore science in a fun, hands-on environment.

Hands-on activities include:

- Make a toy fish wiggle
- Race boats across water
- Balance a gravity fighter on your nose
- Keep a paper towel dry under water
- ...and many more!

Science explorations in "Motion Commotion" include:

- Transferring energy
- Surface tension
- Gravity and balance
- Static electricity
- Magnetism
- ...and many more!

HOS Leaders say,

“ In [class eight] one of the boys could put the magnet on the back of his hand and suspend a paper clip from his palm. It was way cool! ”



“ [The children] all had fun picking up paper confetti [using static electricity]. They even stayed later just to do this. ”

During each HOS class, your child will actively participate in each activity with their own hands-on materials. Questions asked during class will challenge your child to think critically about the world around him/her as he/she explores natural energy. After each class, your child will bring home materials for display, discussion and further discovery.



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Sessions now enrolling--register today!



Action Attraction

NATURAL ENERGY

Grades
2-3

Explore the natural forces at work all around us!

Fall Hands On Science (HOS) classes now enrolling! During eight, one-hour classes, your child will explore science in a fun, hands-on environment.

Hands-on activities include:

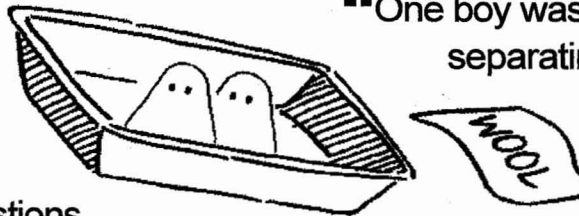
- Experiencing the power of water with your own turbine
- Using static electricity to make "ghosts" dance
- Turning a full cup of water upside down without spilling
- ...and many more!

Science explorations in "Action Attraction" include:

- Bernoulli's Principle
- Water and air pressure
- Static electricity
- Magnetic force
- Kinetic and potential energy
- ...and many more!

HOS Leaders say,

“ In [class] eight, we got into a deep discussion about energy and where it goes. This was the class that brought out the most questions, ideas and discoveries. ”



“ One boy was fascinated with separating the pepper from the sand and used it for show and share at school and church. ”

During each HOS class, your child will actively participate in each activity with their own hands-on materials. Questions asked during class will challenge your child to think critically about the world around him/her as he/she explores natural energy. After each class, your child will bring home materials for display, discussion and further discovery.



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