Parents for Education Plus (PE+)

presents

OMSI in Corvallis

Super Science Saturday

Saturday, March 7, 2020
Cheldelin Middle School
987 NE Conifer Blvd, Corvallis

The educational staff of the Oregon Museum of Science and Industry (OMSI) will be coming to Corvallis to offer an exciting variety of classes for children from Pre-K (entering Kindergarten in the fall) through sixth grade. This event is brought to you by Parents for Education Plus (PE+), a volunteer-run, non-profit organization in Corvallis. See *ParentsForEducationPlus.org*.

Cost: $30.00 for each session (two 1-hour classes); the family assembly is free.
LUNCH break is supervised (bring your own lunch); kids can stay all day!

Grade Level	Session One: 9:20–11:30		11:30–12:00	Session Two: 12:00–2:10		2:30–3:30
Grades Pre-K–K	Wee Wonders in Science	Bug Me!	L U N C H	Float your Boat	Prehistoric Dinosaurs	**Free Family Assembly! GOLLY-OLOGY**
Grades K–1st	Cowabunga Chemistry	Scales, Claws and Jaws		Where in the Worlds	Float your Boat	
Grades 2nd–3rd	Scales, Claws and Jaws	Cowabunga Chemistry		Jolts, Volts and Wires	Identity	
Grades 4th–6th	Energy Options	Nano: the Science of Small		Scales, Claws and Jaws	Jolts, Volts and Wires	

Registration: Online registration is open at *ParentsForEducationPlus.org* with a link to *Eventbrite.com*. Late registration fee (additional $5/session) starts after February 29th. The last day of registration is March 2nd, 2020. Space is limited to first come, first serve. If you have questions, please contact Nathan at parents4educationplus@gmail.com.

Cancellations: PE+ reserves the right to cancel classes with insufficient registration. You will be notified in advance if your class is cancelled and a full refund will be given.

Class Helpers: It's fun to be a parent helper, and we need some for each class and also for the Lunch break! Please indicate on the registration form if you would like to help. Parent helpers assist the students when necessary, and escort students to and from their classrooms. *OMSI coordinators ask that only those parents who are registered as helpers attend the classes as space is limited.*

Financial Aid: Families qualifying for public assistance (free/reduced lunch) may apply for reduced rates. Call Dee Kinkade at 541-231-4523 or email parents4educationplus@gmail.com to obtain the necessary information before the late registration deadline.

To Join PE+: You can sign up online during the OMSI event registration or at the event to receive future program information and discounts. Annual dues are $10.00 any time during the year.

Please Be Prompt, Check in starts at 9am! Allow time to pick up name tags before your student's first class. Backpacks are helpful, as there are often projects or handouts to take home.

Super Science Saturday Line-Up

Free Family Assembly

GOLLY-OLOGY

Instructor Rhys Thomas of Jugglemania is a former Smithsonian artist-in-residence who takes juggling beyond physics to explore archaeology, chemistry, mathematics and other sciences. What new juggling props have chemists created? Can mathematicians help discover new tricks? Watch and wonder as the show builds to a grand finale, featuring Rhys juggling on a rope. Topics include inertia, gravity, balance, centripetal force, archaeology, chemistry and mathematics.

Class Descriptions

BUG ME!

What has six legs, three body parts and invades your picnic? Students discover how insects' bodies change as they grow and how they survive in a world where they are one of nature's smallest creatures. Participants will design their own insect to take home and will have the option to hold live insects. Topics include camouflage, insect anatomy and life cycles.

COWABUNGA CHEMISTRY

Students perform amazing chemical reactions as they measure and mix ingredients and discover substances with strange and surprising properties: polymers. Make two different slimy concoctions for big-time chemistry fun. Topics include chemical reactions, states of matter, polymers and lab procedures.

ENERGY OPTIONS

How does a wind turbine generate electricity? Can we use solar panels in Oregon? What makes energy renewable? Students explore energy options and draw conclusions about how we can best meet our energy needs. Topics include energy, generation of electricity, technology, engineering and Earth systems.

FLOAT YOUR BOAT

Young engineers will experiment with sinking and floating objects then use their new knowledge to solve creative challenges.

IDENTITY

What makes you, you? Students use hands-on science to extract their own DNA and real forensic techniques to examine their own unique fingerprints. Topics include forensic science, evidence analysis and analytical thinking.

JOLTS, VOLTS AND WIRES

Electrifying activities get students charged! Students study the nature of electricity by engineering circuits using generators, batteries, bulbs, motors and more. Topics include generation and transmission of electricity, safety, conductivity and circuits.

NANO: THE SCIENCE OF SMALL

Big things are happening in the tiny, nanoscale world! In this class, students go beyond microscopic, observing firsthand the strange, sometimes surprising properties of matter when manipulated at the nanoscale. They will also learn how nanoscale engineering can develop new technologies that impact healthcare, energy, and the environment.

PREHISTORIC DINOSAURS

Students become fossil-digging paleontologists and learn how to reassemble a complete dinosaur from just a few pieces. Topics include adaptations, fossil evidence, fossil formation and paleontology.

SCALES, CLAWS AND EXPANDING JAWS

Students slide, slither and hop into herpetology, the science of reptiles. We'll get up close and personal with live snakes, lizards and turtles in order to study the features which make this class of animals unique. Discover that snakes are smooth and dry, lizards have no earlobes, and geckos can lick their eyeballs!

WEE WONDERS IN SCIENCE

This introductory class has little ones exploring the wonders of chemistry, physics and biology. Students will make chemicals change colors, levitate objects, meet a live reptile and more in this fun-filled class. Topics include physics, biology and chemical mixing.

WHERE IN THE WORLDS

Climb aboard the Spaceship OMSI and discover the fascinating planets and moons that make up our solar system. Young astronomers learn the solar system orbits the sun, make their own meteorite impact craters, and compare the sizes of the planets from the tiniest terrestrial worlds to the most gargantuan gas giants.