

## **KOPERNIK OBSERVATORY & SCIENCE CENTER**

Winter/Spring 2016 **Pegasus Grades 1-8** 

698 UNDERWOOD ROAD, VESTAL, NEW YORK 13850 PHONE (607) 748-3685 \* FAX (607) 748-3222 \* WWW.KOPERNIK.ORG

the world around them. Pegasus classes are offered on weekends and school holidays. They emphasize creativity, teamwork, and independent learning and teach students to draw on <b>Science, Technology, Engineering and Math</b> (STEM) resources to solve problems in the real world.					
Grades 1 & 2					
Chemistry for Kids Students will spend time in Kopern bouncy balls, and watching chemic	ik's lab, exploring the w	_	creating stuff like slime and		
<b>Shocking Experience</b> In this class, budding engineers wi chemical energy into electricity that electronic projects.	Il use common househo	old items to create volta			
Why Do Animals Do What They has your child wondered why zebr and learning about interesting animals to adapt to live here!	as have stripes or how	a bat can see at night?	Join us for a day of activities		
Grades 3 & 4					
Violent Weather Students will be meteorologists for the weather. They also will make the during dangerous storms.	the day! They will use	Kopernik's weather stat			
<b>LEGO® WeDo Robotics</b> Satudents will build and program a response to sounds! They also will an interactive soccer scene!		kes sounds, opens and			
<b>Phases Matter</b> Sa This class will challenge students to explore different phases of matter, matter.		rties of matter on a larg			
Grades 5 & 6					
Lots of littleBits Students will use innovative littleBit and transducers, to bring a wide rabuild a project of their own.		uding servos, sensors,			
Household Chemistry Students will use household items also will learn about the different elanother given different concentration	lements and the periodi	e between physical and ic table, and will study h			
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## Grades 5 & 6 (continued)

**Creatures and Trees and Bees, Oh My!** Saturday, April 30, 1-4 p.m. Member \$30/Non-Member \$36 Have you ever seen a tree cookie? Did you know that bees are in danger and you can help? Spend the day exploring the great outdoors, immersed in learning about Nature and the cycles of life.

## Grades 6-8

**Eyes on the Earth** Friday, February 12, 1-5 p.m. Member \$41/Non-Member \$48 Students will make Earth science come to life using NASA's web-based app! They will pose scientific questions and then use this tool to answer them, monitoring physical parameters, tracing water movement, and spotting fires around the Earth.

**Observational Astronomy** Friday & Saturday, March 11 & 12, 6:30-9:30 p.m. Member \$51/Non-Member \$60 This two-evening class will teach students about observing the night sky. Students will learn how to use binoculars, Dobsonian and other basic telescopes and more sophisticated systems.

**Exploring Music with Computer Programming** Saturday, April 9, 1-5 p.m. Member \$41/Non-Member \$48 Add the Arts to STEM and you get STEAM! In this class, students will use electronics and computer programming to create music. Using littleBits™ electronic components with their Arduino microprocessors and C++ programming, students with create and play tunes in harmony or rounds.

## Winter/Spring 2016 Pegasus Registration Form

Convenient online registration is available!
Go to www.kopernik.org and click the Register Now button.

Register for 3 or more classes at once (for same student or siblings) and get a 10% discount!

Online, enter code PEGASUS15.

Please check the session(s) you plan to attend:

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Grades 1 & 2:	☐ Chemistry for Kids	☐ Shocking Experience	☐ Animals	
Grades 3 & 4:	☐ Violent Weather	☐ LEGO WeDo Robotics	☐ Phases Matter	
Grades 5 & 6:	☐ Lots of littleBits	☐ Household Chemistry	☐ Creatures & Trees & Bees	
Grades 6 - 8:	☐ Eyes on the Earth	☐ Observational Astronomy	☐ Music & Computer Programming	
Student name: _			Grade (2015/16)	
Parent/Guardian/	/Grandparent name:			
Address:			_City/ST/ZIP	
Phone:		Email:		
Enclosed is: \$	(checks payab	le to "Kopernik Observatory")	KOSC Member ☐ Yes ☐ No ☐ (add \$60 to join)	
Credit Card #			□ Visa □ MasterCard □ Discover	
Name on Credit (	ard Expiration Date: CVV code (3 digit code)			
			istrations available, space permitting, with additional \$5 f cancellation, participants will be notified in advance and	

fee. Minimum enrollment 10 students required for each class to run. In case of cancellation, participants will be notified in advance and full refund returned. Refunds available (less \$5 administration fee) if student withdraws seven days prior to the start of the class.

Return to: Winter/Spring Pegasus, KOSC, 698 Underwood Road, Vestal, NY 13850

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