

Guilderland Elementary – Spring 2016

STEM Academy and Language & Culture

Spring 2016

Grades 4 - 5 - Tuesday, 2:50 - 4:20 pm

Mar. 8, 15, 22, 29, April 5, 12 Snowdate: 4/19

Registration Deadline: February 22

Language & Culture

Chinese with Quanxi Wu

Mr. Wu has taught for over 20 years at Beijing Universities. In China the universities are rated by level of student performance, not by school districts like in the United States.

Mr. Wu taught at the highest level of the university. He has been teaching for the Confucius Classroom here at BOCES for the past six years. He also teaches at the Albany Chinese Community Center and has recently received Excellent Teacher Awards.



Project Chinese will expose your child to the culture as well as learning the language. Highlights of our program may include, but are not limited to: Dance, music, storytelling, family activities, games, and arts & crafts. In other words, this is a "fun" program. Chinese is considered one of the fastest growing world languages', your students can be one step ahead at being multilingual.



Spanish with Kayla Bartow

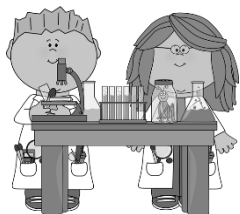
Spanish is not only a language, it is a history, a culture and it is a part of our future. Students will participate in hands-on activities to create an atmosphere of exciting and empowering learning.

STEM Academy

Animal Kingdom with Anita Sanchez

Learn about the amazing animals that share this planet with us. Each week we will study a different group of animals, including mammals, birds, amphibians, insects and more. You will learn the basics of scientific classification and discuss animal adaptations and behavior. Hands-on experiments, recording of data, and direct observation of plants, animals and biological specimens will enhance this study of the life sciences. Author and educator Anita Sanchez will draw on her research for her children's books *Carolus Linnaeus* and *The Naming of Everything* and *Leaflets Three* to provide a challenging and exciting hands-on experience with science.





Crazy Chemworks with Mad Science of the Capital District

This action packed after-school program is bubbling over with classic experiments and crazy concoctions. Perform spectacular hands-on activities using real tools. Witness stunning demonstrations and join in inquiry-based discussions. Students will learn, and apply the concepts and techniques just like a real chemist. Crazy Chemworks is the perfect introduction to elementary chemistry.

Intro to the Sciences with George J. Steele - Motivate the Mind

This six week STEM course will include:

Session #1 - I Am a Scientist - who is a scientist and what do they do. Students will investigate Life versus Physical Science as they explore the scientific method and the science skills of observation, measurement, collecting data and interpreting data.

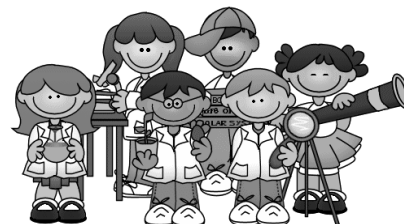
Session #2 - Investigating Ecosystems - students will explore the school yard environment to learn about principles of ecology including a bird survey and animal population estimation.

Session #3 - the study of chemistry - an introduction to the periodic table, the basics of chemical reactions and the physical characteristics of water.

Session #4 - electricity and magnetism - what is electricity, what conducts electricity, constructing a complete circuit and an electromagnet?

Session #5 - light, lens and mirrors - what is light, how does it behave, how do lens and mirrors work, students will construct a periscope.

Session #6 - gravity, friction and aerodynamics - how does gravity work, inventions that deal with gravity, simple machines and overcoming gravity



The Washington-Saratoga-Warren-Hamilton-Essex BOCES does not discriminate in its employment and admission to programs and activities as applicable, on the basis of actual or perceived race, color, creed, sex, sexual orientation, national origin, religion, age, economic status, marital status, veterans' status, political affiliation, domestic victim status, use of a guide dog, hearing dog or service dog, disability, or other classifications protected under federal or state law, and provides equal access to the Boy Scouts and other designated youth groups. The designated district compliance officers will coordinate compliance with the nondiscrimination requirements of Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, as amended, the Boy Scouts of America Equal Access Act, and the New York State Human Rights Law.

The BOCES Compliance Officers are: Donna J. Wisenburn, Director of Human Resource Services or Timothy G. Place, Deputy District Superintendent, Washington-Saratoga-Warren-Hamilton-Essex BOCES, 1153 Burgoyne Avenue, Suite 2, Fort Edward, NY 12828, phone (518) 581-3310 or 746-3310. Complaints may also be filed with the Office for Civil Rights, New York Office, U.S. Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005-2500, phone (646) 428-3800, fax (646)428-3843, email: OCR.NewYork@ed.gov



STEM Academy & World Languages at Guilderland Elementary School Spring 2016 - Registration Form

Student Information

Student Name: _____
 Mailing Address: _____
 City, St. Zip: _____
 Grade: _____ School Building: _____

Parent/Guardian Information

Parent Name(s): _____
 Home Phone(s): _____
 Cell Phone(s): _____
 E-Mail Address(s): _____
 Please list a relative or family friend we can contact if we cannot reach you in an emergency:
 Name: _____ Phone: _____

- YES NO My child has permission to participate in STEM Academy and will follow the BOCES Code of Conduct.
 YES NO BOCES can photograph or videotape my child for publications and media.
 YES NO My child has permission to use the internet during STEM Academy and I have signed his/her home school Internet Usage Agreement
 YES NO I have custody of my child and there are no custodial issues (if there are issues relevant to the safety of your child, please provide details in the space provided below.

List your child's medical concerns and allergies for the STEM Academy staff: _____

Parent/Guardian Signature: _____

Registration deadline is February 22, 2016

Please list 2nd, 3rd & 4th choices, we will do our best to accommodate your first choice, however registration will be selected by a lottery system.

Course Title (1 st Choice)	
Course Title (2 nd Choice)	
Course Title (3 rd Choice)	
Course Title (4 th Choice)	

Space is limited to 15 students per course therefore registration will be completed by a lottery. Upon the registration deadline, all student names will be submitted to the lottery, names will be drawn. Letters of acceptance will be sent ***ONLY*** to students ***accepted*** into the courses.

Please return the registration form to Ms. Sim or Ms. Herzog at the principal's office at Guilderland Elementary School.