

Registration Form for  
SEA<sup>2</sup>-Mathematics,  
Story Writing, and Chemistry

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Name

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Address

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City Zip

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Phone

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Grade School

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Parent(s) Name(s)

Mark an X by the course(s) that  
you wish to attend:

- Story Writing 8:00 - 9:55  
 Story Writing 10:00 - Noon  
 SEA<sup>2</sup> (Math) 10:00 - Noon  
 Chemistry 10:00 - Noon  
 Chemistry 12:30 - 2:30

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Mail a) This form

b) A copy of student's  
most recent report card and

c) A copy of the  
student's standardized test  
scores by *May 1st* to:

St. Louis University High School  
Attn: Mr. Thomas Becvar  
4970 Oakland Avenue  
St. Louis, MO 63110

## Enrichment in Science

"Chemistry: What's In This  
Stuff?"

Time: **10:00 a.m. to Noon**  
or **12:30 p.m. to 2:30 p.m.**

Chemistry is part of everyone's life, from the food you eat, to the clothes you wear, to the products you use, to the air you breathe. In fact, chemistry is concerned with all materials. Taught by a member of the SLUH Science Department, this chemistry class will discuss selected major topics and themes in chemistry. Topics include *Classifying Matter*, *Separating Mixtures*, *Dalton's Atomic Theory*, *Unusual Properties of Solutions*, *Food Chemistry*, *Polymers and Freshwater Chemistry*. Activities include labs such as *Icy Roads*, *Engine Coolant*, and *Ice Cream?*, *Observing and Classifying the Elements*, *Determining the Fat Content in Potato Chips*, *The Philosopher's Stone*, and *Synthesis of a Compound-Zinc Chloride*. The Freshwater Chemistry unit includes a trip to Forest Park to monitor the water quality of Jefferson and Bowl Lakes. The emphasis will be on hands-on investigation, data collection and analysis. We will use traditional chemistry techniques and newer technology, such as CBL's and Vernier LabPro Data Collection Interface. Each class will be limited to 20 students.

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# **SUMMER ENRICHMENT AT SLUH FOR STUDENTS COMPLETING 7TH GRADE**



**ENGLISH**  
*Story Writing*

**MATHEMATICS**  
*SEA<sup>2</sup>-Algebra*

**SCIENCE**  
*Chemistry*



*June 14, 2010*  
to  
*July 9, 2010*

**Summer Enrichment at SLUH for 7th Graders** is a four week academic program for the enrichment of 7<sup>th</sup> grade GIRLS and BOYS. These courses are not to serve as summer school for students who need remedial help.

The curriculum for **Summer Enrichment at SLUH** will consist of topics and lessons that supplement current junior high school lessons. For this reason, we recommend that only students with *at least* a "B" average in the subject area and a score in the 80th percentile or better in that area on standardized tests participate in this program. A copy of the student's most recent report card and standardized test results is required with the registration form.

The classes will be held in the air-conditioned classrooms of SLUH. Classes begin on Monday, June 14th and will end on Friday, July 9th. (There will be no classes on Monday 7/5)

The cost of each course is \$325, which includes all materials needed for the class. There is a registration form on the back of this sheet. Please return it with a copy of the student's most recent report card and standardized test results by **May 1<sup>st</sup>, 2010** to:

**St. Louis U. High**  
**Attn: Mr. Tom Becvar**  
**4970 Oakland Avenue**  
**St. Louis, MO 63110**

If accepted, the student will receive an acceptance letter shortly after May 1st. Full Payment for each course will be due upon receipt of the letter. All payments should be made by Friday, May 21st.

## Enrichment in English

### "Story Writing"

Time: **8:00 a.m. to 9:55 a.m.**  
or **10:00 a.m. to Noon**

Students in Story Writing will write all kinds of stories—funny ones and scary ones, longish (three or four pages) ones and super-short ones, prose stories and even a story poem. Under the prodding of experienced SLUH fiction-writing teacher, Frank Kovarik, students will do most of their work in class—reading, composing and revising stories in SLUH's Computer and Writing Labs while the teachers coach them individually and in small groups.

The teacher will prompt the writing assignments with model stories (some from *Sisyphus*, SLUH's literary magazine; others from professional authors like Ray Bradbury, James Thurber, and Grace Stone Coates) and with journal assignments like "the time I almost got myself killed" or "the most obnoxious person ever to visit my house." Some story assignments will originate with gimmicks: students will write stories based on *The War of the Worlds* and work in pairs to build telephone dialogues. Members of the class will spend the rest of the time discussing what makes a story good and reading stories by the students themselves or by their teacher.

The teacher will read and respond to student work along the way, and the students will publish their best stories in *Oops*, the class literary magazine, at the end of the course.

To make individual attention possible, each section will be limited to sixteen students.

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## Enrichment in Mathematics

### "SEA<sup>2</sup>"

Time: **10:00 a.m. to Noon**

**SEA<sup>2</sup>** stands for Summer Enrichment program in Algebra for the Seventh grade student who is Educationally Able.

Members of SLUH's mathematics Department will teach students in this program, which is now in its 15th year of operation.

Students will explore Pre-Algebra and Algebra concepts by applying lessons to real life applications. The teachers will help students learn to avoid the pitfalls that many students are subject to when they first take a course in Algebra. Students will be exposed to the graphing calculator as well as other Data Collection devices. The relationship between Statistical Analysis and Algebra will also be examined. The students will have a chance to use their logic skills to solve mathematical puzzles and games as well as spending some time on interesting "Problems of the Day."

Students who take this course usually have an easier transition to Algebra which they will take in their first year in high school. The freshmen teachers at SLUH have noticed that students who take this class make fewer mistakes in fundamental operations and are better prepared than those who have not had this opportunity.

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