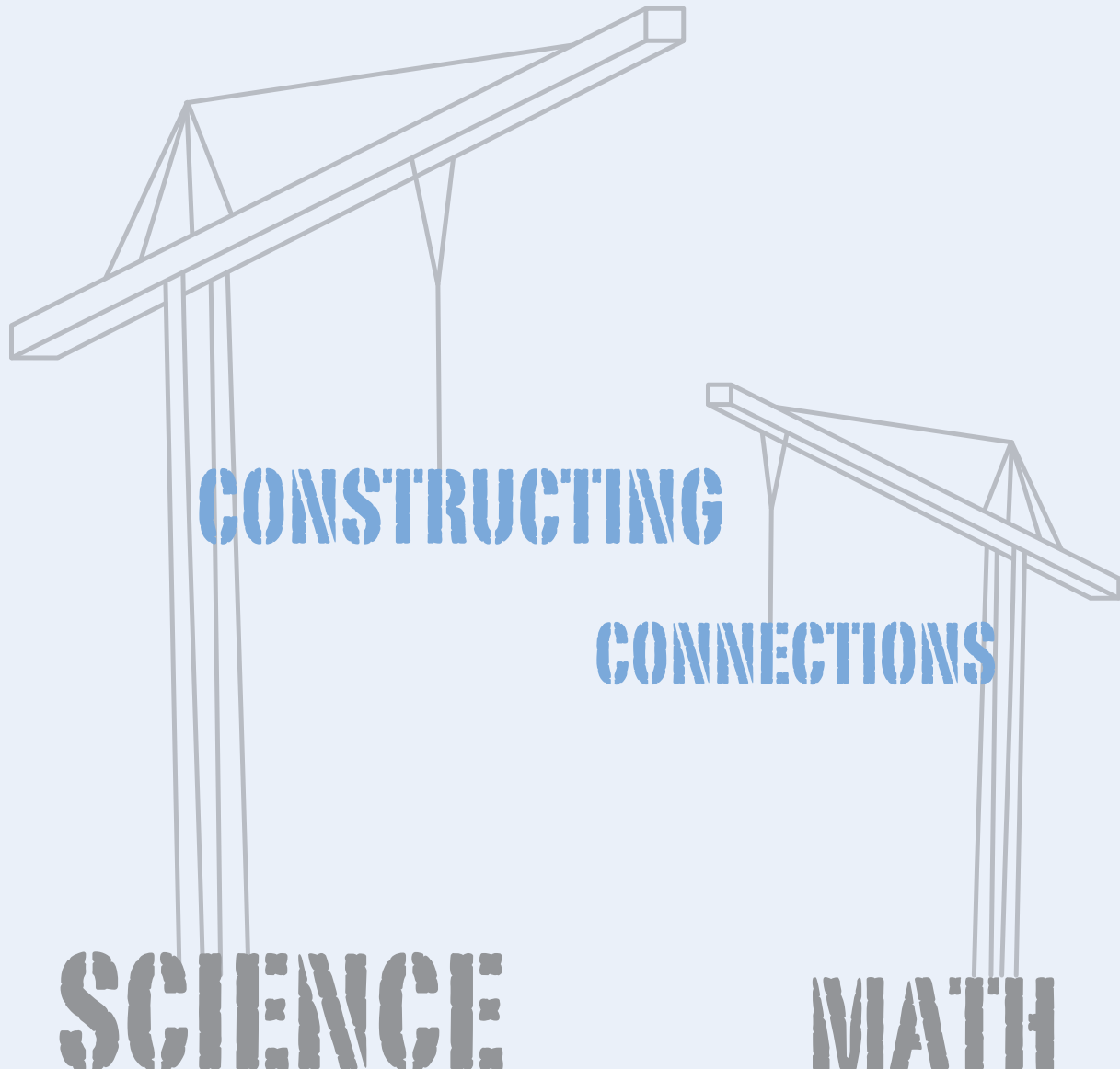




UNIVERSITY CHILD DEVELOPMENT SCHOOL

TEACHER EDUCATION CENTER



**CONSTRUCTING**

**CONNECTIONS**

**SCIENCE**

**MATH**

**AUGUST 9-13**

**AUGUST 16-20**

**WORKSHOPS FOR EDUCATORS  
SUMMER 2010**

# COURSE DESCRIPTIONS

## Scientific Connections: Integrating Science With Core Academic Subjects

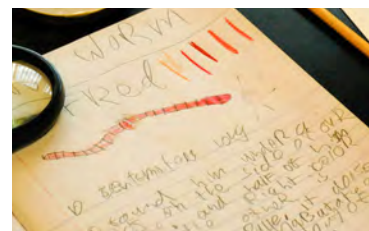
Instructor	Katie Morrison
Dates	August 9-13, 2010
Time	9:00 am–3:30 pm
Level	Teachers of preschool through 8 <sup>th</sup> grade
Fee	\$350
Credit	You may register for credit and/or clock hours on the first day of class for an additional fee. Credits provided through Seattle Pacific University.

This course is designed to help elementary and middle school teachers more deeply understand the scientific process and how to apply it across subject areas. This course focuses on the interconnectedness of subjects and concepts and provides tools for integrating any science curriculum with core academic subjects such as language arts, social studies, and math.

- Gain a deeper understanding of the scientific process.
- Apply scientific thinking across subject areas.
- Conduct daily hands-on investigations, both in the laboratory and in the field.
- Develop tools for integrating science curriculum with core academic subjects and specialty areas.
- Build skills for assessing student understanding and facilitating class discussions.
- Learn strategies for structuring and utilizing student lab notebooks.
- Focus on your individual grade level topics of interest and develop curriculum you can use to integrate science with core academic subjects.

### *About the Instructor*

Katie Morrison has been the Science Specialist at University Child Development School for the past eight years. She received her Ph.D. in Molecular and Cellular Biology from the University of Washington and the Fred Hutchinson Cancer Research Center. She has taught science at both the primary and secondary level. In addition to working with students, Katie has mentored science teachers, developed a range of science curriculum, and has served as a curriculum and science lab design consultant for a variety of schools and organizations.



# COURSE DESCRIPTIONS

## Constructing Mathematical Understanding

Instructor	Melissa Chittenden
Dates	August 16-20, 2010
Time	9:00 am–3:30 pm
Level	Teachers of preschool through 8 <sup>th</sup> grade
Fee	\$350
Credit	You may register for credit and/or clock hours on the first day of class for an additional fee. Credits provided through Seattle Pacific University.

Participants will experience a hands-on interactive workshop that links learning style approaches with traditional teaching methodologies. Participants will learn multi-dimensional teaching and assessment strategies that support the concepts covered in any math curriculum. We will also explore the distinction between teaching mathematical thinking and teaching arithmetic, as well as the importance of addressing both topics in your classroom.

- Learn how to introduce, refine and extend specific math concepts for your students through the use of hands-on materials.
- Develop teaching and assessment techniques that align with various levels of student understanding and curricular standards for each math strand.
- Enhance a teacher's ability to create learning activities that address the diverse student learning styles within a classroom.
- Explore ways to imbed mathematical thinking and arithmetic into your other subject areas; reading, writing, science, social studies etc.
- Apply these new concepts and techniques directly to your school's current math curriculum.

### *About the Instructor*

Melissa Chittenden, Assistant Head of School at UCDS and Director of the Teacher Education Center, is an international presenter and math education consultant. Melissa has taught and developed curricula in early childhood and elementary education for 30 years. She specializes in mentoring educators and loves teaching hands-on math through activities that address diverse learning styles. Joining Melissa are UCDS faculty members who consult nationally and specialize in developing experiential approaches to core subjects.



# REGISTRATION

## Instructions

1. Cut out, copy or download this form at [www.ucds.org/workshops](http://www.ucds.org/workshops).
2. Complete one registration form for each attendee. Multiple forms can be sent together with a single check for payment.
3. Enclose your check (payable to UCDS), along with this form, and mail to:

UCDS  
Teacher Education Center  
5062 9th Ave. NE  
Seattle, WA 98105

Course offerings	Dates	Time	Fee
<input type="checkbox"/> Science Connections	August 9-13	9:00am-3:30pm	\$350
<input type="checkbox"/> Constructing Mathematical Understanding	August 16-20	9:00am-3:30pm	\$350
<input type="checkbox"/> Register for both workshops and save \$50			\$650
Total amount enclosed			<input type="text"/>

\*Each course is eligible for credit and/or clock hours. Register on the first day of class for an additional fee.  
Credits provided through Seattle Pacific University.

## Attendee information (please print using blue or black ink)

Name \_\_\_\_\_

Home address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home phone \_\_\_\_\_ Work phone \_\_\_\_\_

Email address \_\_\_\_\_

Grade level interest:  preschool - 3<sup>rd</sup> grade

4<sup>th</sup> - 8<sup>th</sup> grade

Please check here if you would like to receive notification of upcoming workshops, free seminars and other events at the Teacher Education Center at UCDS.

## Payment and Cancellation Policy

Workshops are to be paid for at the time of registration by enclosing a check or money order with my registration form. I understand and agree that when I register, I have obligated myself to pay for the workshops and all other charges related to this registration. If I decide to cancel my registration, 50% of the fee will be refunded to me if I give written notice at least ten working days before the beginning of the workshop I am dropping. Workshops are offered on a space-available basis. If my desired workshop is not available, my registration fee will be refunded in full or can be transferred to another workshop of my choosing, if available.

I have read and agree to the Payment and Cancellation Policy:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date