



## CMI COURSES in the “STEM CERTIFICATE in INQUIRY”

@ Framingham State University  
Program developed by the Massachusetts State Science & Engineering Fair (MSSEF) in collaboration with the Education Development Center (EDC)  
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**Complete 3 CMI Courses & Earn the  
STEM Certificate in Inquiry!**

### 1. “Teaching Science through the Inquiry Process” (TSIP)

#### TSIP PART 1: **Motivate Your Students with the “Real World” Discovery Process**

*Provides teachers with practical strategies to infuse more inquiry into their teaching practice and existing curricula. TSIP is a hands-on course, and science teachers bring 2-3 of their existing labs or classroom activities that they will adapt in order to make greater use of inquiry-based techniques*

WHEN: Summer Institute plus Sat in November: Mon-Fri. June 27-July 1 & Sat. Nov. 5, 2011

GRADUATE CREDITS: 3, plus PDPs

Enroll at: <http://www.massscifair.com/curious-minds/registration-form/?f=tsip>

#### TSIP PART 2: **Help Your Students Learn to Think for Themselves!**

*TSIP Part 2 deepens teachers’ understanding of the inquiry process and the content/pedagogy learned in Part 1. Science teachers present and then continue to improve the 2-3 of their labs or classroom activities that they’ve adapted in order to make greater use of inquiry-based techniques.*

WHEN: Two days during spring semester

2012 Session: Saturday March 3 & Friday May 5, 2012 (tentative)

GRADUATE CREDITS: 1, plus PDPs

PRE-REQUISITE: TSIP Part 1 or equivalent experience.

### 2. PCS: “Project-based Classroom Science”

#### **Teach Science Concepts with Exciting & Challenging Project-based Units**

*A 5-day course that enables science teachers to develop effective project-based units for targeted science concepts, and also provides an introduction to guiding students on independent research.*

WHEN: Summer institute -- July, 11-15, 2011.

GRADUATE CREDITS: 3 plus PDPs - Includes online component

PRE-REQUISITE: TSIP 1 & 2, or equivalent experience

Enroll at: <http://www.massscifair.com/curious-minds/registration-form/?f=pcs>

### 3. OSEF: “Organizing a Science & Engineering Fair”

*A 2-day course that provides a framework and guidance for best practices in the logistics of managing a classroom with students working on independent research on different topics, and running a science fair program and building district-based support for it.*

WHEN: 2 days in summer: July 7 and July 8, 2011

GRADUATE CREDIT: 1 plus PDPs - Includes online component

PRE-REQUISITE: None

Enroll at: <http://www.massscifair.com/curious-minds/registration-form/?f=osef>

<b>TUITION COSTS:</b>	<b>TSIP 1 &amp; 2:</b> \$1,000	<b>PCS:</b> \$550	<b>OSEF:</b> \$200
<b>REGISTRATION FEE:</b>	<b>TSIP 1 &amp; 2:</b> \$ 100	<b>PCS:</b> \$ 50	<b>OSEF:</b> none
<b>Low-cost Graduate Credits:</b>	<b>TSIP 1 &amp; 2:</b> \$ 400	<b>PCS:</b> \$300	<b>OSEF:</b> \$100

Application Forms for TUITION SCHOLARSHIP are available online.



TSIP = "Teaching Science through the Inquiry Process (TSIP)"

PCS= "Project-based Classroom Science"

OSEF=Organizing a Science & Engineering Fair

Graduate Courses from the Curious Minds Initiative (CMI) of the Massachusetts State Science & Engineering Fair

**Names of Team Members from your School District:**  
*(Additional team members may be listed on back of this form).*

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**Scholarship Applicants:**

Please describe briefly why you are interested in the TSIP Program and how you see it changing your teaching practice and impact on students. (300 words max)

**TSIP is funded in part by the Massachusetts Department of Elementary and Secondary Education, and full tuition scholarships are offered to qualified educators. SPACES ARE LIMITED.**

**Special Note:** In order to attend this institute and receive PDPs, participants must:

- Attend all summer and follow-up sessions of the institute
- Complete a survey, a pretest and posttest of Institute content
- Complete Institute assignments and projects

**Applicant's Signature** \_\_\_\_\_ **Date:** \_\_\_\_\_

*Partial and full tuition scholarships available!*

<b>TUITION COSTS:</b>	<b>TSIP 1 &amp; 2:</b> \$1,000	<b>PCS:</b> \$550	<b>OSEF:</b> \$200
<b>REGISTRATION FEE:</b>	<b>TSIP 1 &amp; 2:</b> \$ 100	<b>PCS:</b> \$ 50	<b>OSEF:</b> none
<b>Low-cost Graduate Credits:</b>	<b>TSIP 1 &amp; 2:</b> \$ 400	<b>PCS:</b> \$300	<b>OSEF:</b> \$100

**\*For Registration Fee:** *Teams of 3+ teachers from the same school are eligible for 50% discount.*

*Spaces cannot be reserved until registration fee or tuition is received.  
Registration fee and graduate credit costs are **non-refundable***

**Register on-line @**

<http://www.massscifair.com/curious-minds/registration-form/?f=fsc>

-or-

**Mail this form along with your registration fee to MSSEF, Inc. at address below**  
*PayPal or check payable to MSSEF*

**More Information:** [cmi@scifair.com](mailto:cmi@scifair.com)

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