No Question Left Behind: Bringing Guided-Inquiry Curricula into Science and Mathematics Classrooms

Thursday, June 23 – Friday, June 24, 2011

University of Maine, Orono, ME

4th Biennial one-and-a-half-day Conference for Middle- and High School

Science and Mathematics Teachers

Hosted by The Maine Center for Research in STEM Education (RiSE Center) and the Jackson Laboratory, with support from the Howard Hughes Medical Institute, The Lloyd G. Balfour Foundation, and Bank of America, N.A., Trustee.

Wednesday, June 22

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| Time | Event | Location |
| 4:00-8:00 PM | Check-in for participants pre-registered for housing on Wednesday night | DTAV Community Center |

Thursday, June 23

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| Time | Event | Presenter | Location |
| 8:00-8:45 AM | Registration and Continental Breakfast |  | Buchanan Alumni House |
| 8:45 AM | Welcome | Susan McKay | Buchanan Alumni House |
| 9:00-9:45 AM | [Washington Academy Sustainable LIFE Curriculum](http://umaine.edu/risecenter/files/2011/06/WA-LIFE-Curriculum_150dpi.pdf)[The Sustainable LIFE Curriculum-Portrait](http://umaine.edu/risecenter/files/2011/06/The-Sustainable-LIFE-Curriculum-Portrait.doc) | Don Sprangers | Buchanan Alumni House |
| 9:45-10:30 AM | [The Problem with Acceleration](http://umaine.edu/risecenter/files/2011/06/Vesenka110625nqlb.pdf) | James Vesenka | Buchanan Alumni House |
| 10:30-10:45 AM | Coffee Break |  |  |
| 10:45-11:30 AM | [Promising Practices in Improving Student Learning](http://umaine.edu/risecenter/files/2011/06/Math-Practices2-Maine-2011.pdf) | Gail Burrill | Buchanan Alumni House |
| 11:45AM-1:00PM | Lunch |  | Marketplace, Memorial Union |
| 1:00-3:00 PM | Workshops |  | See Below |
| 3:15-4:00 PM | Evaluating High School Students’ Understanding of Kinematics and Mechanics Concepts | Micheal O’Brien | Bangor Room, Memorial Union |
| 4:00-5:00 PM | Poster Session set-up, Room Check in (if yet to do so) 4:00-10:00 PM, Break out discussion groups |  | Bangor Room, Memorial Union |
| 5:00-6:00 PM | Poster Session and Reception |  | Buchanan Alumni House |
| 6:00-7:30 PM | Dinner |  | Buchanan Alumni House |
| 7:30-8:30 PM | [Supporting Students in Constructing Evidence Based Scientific Explanation](http://umaine.edu/risecenter/files/2011/06/Bagor-presentation-Explanation-V4.pdf) | Joe Krajcik | Buchanan Alumni House |

Friday, June 24

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| Time | Event | Presenter | Location |
| 7:30-8:45 AM | Continental Breakfast |  | Buchanan Alumni House |
| 8:45-10:45 AM | Workshops |  | See Below |
| 11:00-12:00 PM | Open Space: How Can We collaborate to Implement the Approaches to Teaching and Learning We Have Shared at the Conference: in My Classroom, in My School, in Maine? | Susan McKay | Bangor Room, Memorial Union |
| 12:00-12:15 PM | Wrap-up & conference evaluation |  | Bangor Room, Memorial Union |
| 12:30-1:30 PM | Lunch – Thank you for coming! |  | Buchanan Alumni House |

Workshops

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| Thursday Afternoon Workshops:  1:00-3:00 PM | Facilitator | Location |
| Using the Power of Analogies in Lab to Focus on the Chemistry You Can’t “See” | Mitchell Bruce and Francois Amar | 227 Aubert Hall |
| Seeing Students Talk Science: Eighth Graders Discuss the Rock Cycle | Brian Frank | Bangor Room, Memorial Union |
| Reasoning and Sense Making in Data Anaylsis and Probability | Gail Burrill | FFA Room, Memorial Union |
| Science and Literacy (Part 1) | Anita Bernhardt | Totman Room, Memorial Union |

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| Friday Morning Workshops:  9:15-11:30 AM | Facilitator | Location |
| Science and Literacy (Part 2) | Anita Bernhardt | Totman Room, Memorial Union |

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| [Lab-Batching Biodiesel in the Classroom/ Developing your own LIFE Curriculum](http://umaine.edu/risecenter/files/2011/06/Biodiesel-Production2009.pdf) |

[Biodiesel Batching Lab](http://umaine.edu/risecenter/files/2011/06/Biodiesel-Batching-Lab.doc)Don Sprangers227 Aubert HallFaster and Faster, Back to GalileoJames Vesenka315 Bennett HallUsing Low-Tech Interactive Methods to Teach Newton’s LawsMichael O’BrienFFA Room, Memorial Union[Designing and Assessing Evidence-based Scientific Explanations](http://umaine.edu/risecenter/files/2011/06/Bagor_assessment_workshop.pdf)[Handout with examples](http://umaine.edu/risecenter/files/2011/06/Krajcik-Handout-with-examples.pdf)Joe KrajcikBangor Room, Memorial Union