

MULTI Summer Institute 2017
 Our Environment, Our Health
 June 5 - 9, 2017; 9:00am-4:00pm
 MSU Denver Campus
 Science 10 Conference Room

Monday, June 5

Time	Activity	Who's leading it	Resources
9:00 - 10:00	Welcome / Introductions / Community Building MULTI NSF ITEST Project Overview and Outcomes GLOBE overview & certification, partner & roundtables introductions GLOBE/iscene permissions and photo releases	Janelle Johnson, Andri Ioannidou, Barbara Monday Kristin Wegner	
10:00 - 10:45	<i>iscene</i> collaboration technology Log in, Join MULTI Project	Andri, Barbara	
10:45-11	break		
11:00 - 12:00	Elements of the fire module - Introduction of Module Template	Janelle & Kristin	Link to module template
12:00 - 12:45	Lunch		
12:45 - 2:00	Science Expertise - Understanding Fire Data: What do the numbers mean and how to use in class? Hands-on Activity (Air quality)	Amber Soja / Rich Wagner	IDEA GLOBE Fire fuel protocol (NOTE: no data collection mechanism as of now) NASA Worldview
2:00 - 2:15	-Break-		
2:30 - 4:00	Work Session: Customize Fire module for own classes. Share out and reflect on the day's information	Team	

Tuesday, June 5

Time	Activity	Who's leading it	Resources
9:00 - 10:00	Intro to Air Quality / GLOBE e-trainings	Dawn Cummings, Rich, Mike MacFerrin	
10:00 - 12:00	Air Quality learning activity; Satellite Data / Particulate Matter Activity/ Data Collection	Dawn, Rich	GLOBE Ozone protocol and learning activities
12:00 - 12:45	Lunch (informal GLOBE roundtables)	GLOBE partners	
12:45 - 2:15	Science Expertise - Understanding Climate Data: What do the numbers mean and how to incorporate data in class? Create and work on climate project in <i>iscene</i>	Mike MacFerrin Andri, Barbara	Field measurements; (1)temp, (2)particulate matter (PM2.5), (3)color (4)humidity (5)ozone
2:15 - 2:30	break		
2:30 - 4:00	Work session: Build modules out of today's activities for own classes Share out and reflect on the day's information	Team	Lead into connection to fire and air quality

Wednesday, June 7

Time	Activity	Who's leading it	Resources
9:00 - 10:00	Connections to Fire and Air Quality	Team; Amber will support	
10:00 - 11:00	STEM Equity, intercultural competencies and differentiation	Janelle Johnson	
11:00 - 12:00	CCD Panel: Field Experiences - Impact on Student Perspectives	Dawn Cummings	
12:00 - 12:45	Lunch		
12:45 - 1:15	NGSS Application Q & A	CDE, JoAnna Bruno	NGSS, Colorado Academic Standards
1:15 - 2:15	Work Session: Module Development and Activity Adaptation; Connect to standards, incorporate Intercultural Competencies	ALL	
2:15 - 2:30	break		
2:30 - 3:30	Career Awareness / Workforce - how to incorporate into modules	Open WorldLearning (OWL)	
3:30 - 4:00	Share out and reflect on the day's information	Team	

Thursday, June 8

Time	Activity	Who's leading it	Resources
9:00 - 10:00	Using the website for GLOBE Training; how to navigate/ e trainings	Kristin	GLOBE website:
10:00 - 11:00	Teacher/Student Panel - What does implementation look in classrooms?	Jayne Margo-Sneider, Monica and students	
11:00 - 12:00	Poster Session - Preparing Student Research Symposium (Int'l science fair; rubrics) Q&A	Rich, Jen Bourgeault and Becca Wagner	
12:00 - 12:45	Lunch: GLOBE roundtable	GLOBE Partners	
12:45 - 1:15	Career awareness: How do Scientists operate in the real world - Greenland Project	Mike MacFerrin	
1:15 - 2:15	Small Group Discussions: How are teachers incorporating STEM Career Awareness currently?	All	
2:15 - 2:30	Break		
2:30 - 4:00	Share out and reflect on the day's information	Team	

Friday, June 9

Time	Activity	Who's leading it	Resources
9:00 - 10:00	Water Quality Activity: Macroinvertebrates to assess water quality	Jason Kolts	
10:00 - 11:00	Field Experience: Mosquitoes & Health Activity	Dawn Cummings	
11:00 - 12:00	Work Session: Data entry and analysis	Team	
12:00 - 12:45	Lunch : GLOBE roundtable		
12:45 - 1:15	How do you Assess Project/Problem-based- adapting the rubric for your use; data collection for research	Jen Bourgeault	
1:15 - 2:45	Introduction to Assessment / Work session to adapt own rubrics / Evaluation of Summer Institute	Krista Marshall & team	
2:45 - 3:00	- Break-		
3:30 - 4:00	Wrap Up/Certification/ Next Steps	Team	