

2011 RET Site Calendar

RET Gathering Room in **615A Old Chemistry**
(Some sessions might be held In **662 Baldwin**)

WEEK 1 – Summer 2011 Monday - June 20	Tuesday – June 21	Wed. – June 22	Thursday – June 23	Friday – June 24
<p>9:00-9:30 AM – 615OC</p> <ul style="list-style-type: none"> • Breakfast provided <p style="background-color: #00b050; color: white;">9:30-10:30 AM Pre-Evaluation (Dr. Arndt)</p> <p>10:30 AM-12 PM</p> <ul style="list-style-type: none"> • Welcome & Overview of RET Site (Dr. Kukreti) • Procedures, Expectations & Deliverables 	<p>9:00-11:00 AM General Seminars on Use of Facilities and Resources</p> <ul style="list-style-type: none"> • General Lab Safety Seminar (Ms. Elsbernd) <p>11:00 AM-12 Noon 615 A Old Chemistry</p> <ul style="list-style-type: none"> • Laptops Issued • Use of Computer Facilities Seminar (IT & Dr. Kukreti) 	<p>9:00 AM– 12 Noon Pre-Engineering Experience Session #1</p> <ul style="list-style-type: none"> • Eng & Eng Tech; the Eng Design Process Session (Mr. Rutz) 	<p>9:00 AM-12 Noon Professional Engineering Seminar</p> <ul style="list-style-type: none"> • Ethics in Research (Dr. Miller) <p>Professional Engineering Seminar</p> <ul style="list-style-type: none"> • Engineering Research and Education Seminar (Dr. Miller) 	<p>9:00 AM-12:00 Noon Educational Seminar Series #1 (Dr. Burrows)</p> <ul style="list-style-type: none"> • Lesson Preparation and Movie Sessions • Nature of Science (NOS) Sessions & Movie • Publication, Funding Opportunities, and Proposal Writing
<i>Lunch provided (12:00)</i>	<i>Lunch (12:00-1:00)</i>	<i>Lunch (12:00-1:00)</i>	<i>Lunch (12:00-1:00)</i>	<i>Lunch (12:00-1:00)</i>
<p>1:00-1:30 PM</p> <ul style="list-style-type: none"> • Q & A/ Pictures <p>1:30-2:30 PM</p> <ul style="list-style-type: none"> • Project Presentations Faculty Mentors (FM) & RET Graduate Fellows (RGF) <p>2:30–4:00 PM</p> <ul style="list-style-type: none"> • Lab Tour (all labs with RGF's) <p>4:00-6:00 PM</p> <ul style="list-style-type: none"> • UC Tour/Parking Pass 	<p>1:00-6:00 PM Research with FM & RGF</p>	<p>1:00-6:00 PM Research with FM & RGF</p>	<p>1:00-3:30 PM Research Skills Training Workshops</p> <ul style="list-style-type: none"> • Poster Preparation #1 (Dr. Burrows) • Tower Competition • Making a Poster <p style="background-color: #00ff00;">3:30-6:00 PM Research with FM & RGF</p>	<p>1:00-6:00 PM Research with FM & RGF</p>
WEEK 2 Monday - June 27	Tuesday - June 28	Wed. – June 29	Thursday – June 30	Friday – July 1
<p>9:00-11:00 AM</p> <ul style="list-style-type: none"> • Writing time <p style="background-color: #ff00ff;">11:00 AM-12 Noon</p>	<p>9:00 AM – 12:00 PM Wiki work and Review of documents</p>	<p>9:00 AM-10:00 AM Engineering Delivery Support Session #1</p> <ul style="list-style-type: none"> • Movie and 	<p>9:00 AM-12:00 Noon Educational Seminar Series #2 (Dr. Breiner)</p> <ul style="list-style-type: none"> • Lesson 	<p>9:00 AM -12:00 Noon 1st Bi-weekly Presentations</p> <ul style="list-style-type: none"> • PowerPoint Presentation of

<ul style="list-style-type: none"> • Reflection & NOS Session 		research section of report 10:00AM-12:00 Noon <ul style="list-style-type: none"> • RET Lesson Day 	Preparation and Movie Sessions <ul style="list-style-type: none"> • NOS Session & Movie • Publication, Funding, and Proposal Writing • Misconceptions 	Research & Classroom Lessons <ul style="list-style-type: none"> • Movie Progress • Poster Progress
<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	Lunch Provided...
1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF	1:00 PM- 5:00 PM Field Trip #1 Water Field Trip to Cincinnati Water Works 5:00 PM - 6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF
WEEK 3				
Monday – July 4	Tuesday – July 5	Wed. – July 6	Thursday – July 7	Friday – July 8
HOLIDAY ☺	9:00 AM-12:00 Noon Pre-Engineering Experience Session #2 <ul style="list-style-type: none"> • Civil Engineering, Truss evaluation, bridge building (Mr. Lien, Princeton HS with support from Mr. Rutz) 	9:00 AM-10:00 Noon Engineering Delivery Support Session #2 <ul style="list-style-type: none"> • Movie and research section of report 10:00AM-12:00 Noon <ul style="list-style-type: none"> • RET Lesson Day 	9:00 AM-11:00 Noon Educational Seminar Series #3A (Dr. Breiner) <ul style="list-style-type: none"> • Lesson Preparation and Movie Sessions • NOS Session & Movie • Publication, Funding Opportunities, and Proposal Writing 11:00 AM-12 Noon Reflection & NOS Session Cont.'d	9:00 AM -12:00 PM Research Skills Training Workshops <ul style="list-style-type: none"> • Poster Preparation #2 (Dr. Kukreti) • Classroom Display Poster Progress
<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12- 1)</i>
1:00-6:00 PM Research with FM & RGF	1:00-3:00 PM NOTE – CEAS Library Classroom 850D Research Skills Training Workshops <ul style="list-style-type: none"> • Seminar on On-Line Search Using the Library Facilities 	1:00-6:00 PM Research with FM & RGF	1:00-5:00 PM Field Trip #2 Air Quality HCDOS 5:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF

	(Mr. Baldwin and Jim Clasper)			
	3:00-6:00 PM Research with FM & RGF			
WEEK 4 Monday – July 11	Tuesday – July 12	Wed. – July 13	Thursday – July 14	Friday – July 15
9:00 AM-10:00 Noon Engineering Delivery Support Session #3 • Movie and research section of report 10:00AM-12:00 Noon • RET Lesson Day	9:00 AM– 12 Noon Pre-Engineering Experience Session #3 • Aerospace Eng, forces and motion, airfoil design (Boles, Oak Hills HS with support from Mr. Rutz)	9:00-12:00 Noon 2 nd Bi-weekly Presentations • PowerPoint Presentation of Research & Classroom Lessons • Movie Progress • Poster Progress	9:00 AM-11:00 Noon Educational Seminar Series #3B (Dr. Breiner) • Lesson Preparation and Movie Sessions • NOS Session & Movie • Publication, Funding Opportunities, and Proposal Writing 11:00 AM-12 Noon Reflection & NOS Session Cont.'d	9:00 AM - 12:00 PM • Writing time • Deliverable Check Report PowerPoint Poster Movie Journal Article Supporting Documentation
<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch Provided...</i>
1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF	1:00-5:00 PM Field Trip #3 Metropolitan Sewer District 5:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF
WEEK 5 Monday – July 18	Tuesday – July 19	Wed. – July 20	Thursday – July 21	Friday – July 22
9:00-11:00 AM • Writing time 11:00 AM-12 Noon • Reflection & NOS Session	9:00 AM– 12 Noon Pre-Engineering Experience Session #4 • Materials Sci., and Eng. Alternatives, Tech. & Society Session (Mr. Rutz)	9:00 AM-12:00 Noon Engineering Delivery Support Session #4 • Movie and research section of report	9:00 AM-12:00 Noon Field Trip #4 Fuel Cells: Mound Technical Solutions	9:00 AM-12:00 Noon Educational Seminar Series #4 (Dr. Burrows & Dr. Breiner) • GK-12 Fellows integration • Misconceptions • LP, NOS, Journal Articles, and

				Movies
<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>
1:00-3:00 PM Research Skills Training Workshops <ul style="list-style-type: none"> • Poster Preparation #3 (Dr. Kukreti) • Classroom Display Poster Critiquing 	1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF	1:00-6:00 PM Research with FM & RGF
3:00-6:00 PM Research with FM & RGF				
WEEK 6				
Monday – July 25	Tuesday – July 26	Wed. – July 27	Thursday – July 28	Friday – July 29
Note – Uncommon Schedule! 9:00-11:00PM Research with FM & RGF 11:00-11:30 PM Reflection & NOS Session	9:00 AM-12 Noon Professional Engineering Seminar <ul style="list-style-type: none"> • Engineers/Scientists Panel Discussion Session (One Member from Each Project & Moderator) 	9:00 AM-12 Noon <ul style="list-style-type: none"> • Report Due • Continue work on other deliverables 	9:00 AM-12 Noon <ul style="list-style-type: none"> • Rehearsal Time • Journal Article Due • All Supporting Documentation Due 	9:00-12 Noon <ul style="list-style-type: none"> • Poster Presentation • Movie Presentations
<i>Lunch (11:30 - 12:30)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch (12 -1)</i>	<i>Lunch Provided...</i>
12:30 AM-6:00 Noon Field Trip #5 Air and Space Museum	1:00-6:00 PM Research with FM & RGF	1:00– 6:00 PM Complete Poster, Movie, and PowerPoint Presentation, Journal Article, and Supporting Documentation	1:00– 3:30 PM <ul style="list-style-type: none"> • Clean RET Rooms 3:30-6:00 PM <ul style="list-style-type: none"> • Post-Evaluation (Dr. Maltbie) 	1:00-6:00 PM <ul style="list-style-type: none"> • PowerPoint Presentation of Research & Classroom Lessons

Friday, July 29th - Final Day Presentation Schedule* (Room: Annie Laws, CECH - Teachers College)

9:00 – 9:30 AM	Breakfast Provided with a Meet and Greet
9:30 – 10:30 AM	Classroom Posters (Teachers will be by posters)
10:30 AM– 12:00 PM	Research Movie Presentations (Teachers will present movies)
12:00 – 1:00 PM	Lunch Provided
1:00 - 4:30 PM	PowerPoint Presentations (Research and Classroom Lessons)
	1:15 PM – Project 1: Water
	1:45 PM – Project 2: Biodiesel
	2:15 PM – Project 3: Earthquake
	2:45 PM – Project 4: Energy
	3:15 PM – Project 5: Traffic
	3:45 PM – Project 6: Nanotechnology
4:30 – 5:00 PM	Closing Remarks and Certificates Awarded

* Breakfast, Lunch, and Parking Voucher Provided

Other Key Dates:

- Pre-RET Orientation for Prospective Teachers: Third week of March (prior to accepting to participate)
- Teachers collect questions and issues to discuss at the Professional Engineers/Scientists Panel Discussion Session: Month of April (prior to the start of the RET Site in June)
- Faculty Mentor (FM) and RET Graduate Fellow (RGF) will visit each teacher's school (from their project group)
- Teacher reports of lesson with lesson plan and pictures posted on the wiki by the end of January
- Reflective on-campus meetings (two) with written progress report: mid-December and mid-March (5:00 to 8:00 p.m.)
- Focus group on-campus meetings with Evaluator (two): mid-December and mid-March (4:00 to 5:00 p.m.)
- RET Open House: April end
- Final Post-RET Implementation Report: Due by end of April (suitable date will be fixed to coincide with the annual Open House)