

## DAY 1- Monday, July 12th – Issues in Education

Time	Activity
8:30-8:45	Introductions and meet 'n greet
8:45-9:15	Introduction to GK-12 <ul style="list-style-type: none"><li>• NSF GK-12 2010 Solicitation</li><li>• What are the most important purposes of the GK-12 from the NSF perspective?</li></ul>
9:15-9:45	RMC Intro and Pre-survey
9:45-10:00	Team Building <ul style="list-style-type: none"><li>• Fun analogies</li><li>• What was middle school like for you?</li></ul>
10:00-10:45	Education in a Democracy: Access to Knowledge <ul style="list-style-type: none"><li>• Human Likert Scale</li></ul>
11:00- 11:15	Break
11:15-12:15	Education as Power and Privilege, Equity, Diversity – Language, Literacy, Equity <ul style="list-style-type: none"><li>• <i>Guest Speaker:</i> Manuel Espinoza</li></ul>
12:15-1:15	Lunch – “wow” videos demonstration
1:15-2:45	Introduction to Communication <ul style="list-style-type: none"><li>• Need for better communication</li><li>• Research on communicating scientific information</li><li>• Components – target audience, visual aids, engagement</li><li>• Review Resident Bios</li></ul>
2:45-3:15	Posters – How to communicate your thoughts in 2 short sentences.
3:15-3:30	Wrap-up

## DAY 2- Tuesday, July 13th - Learning

Time	Activity
8:30-9:00	Team Building Activity: Personality Exercises & Learning Styles
9:00-11:30	<ul style="list-style-type: none"><li>• Knowledge (21<sup>st</sup> Century Skills paper)</li><li>• Expert vs. novices- What are you an expert at?</li><li>• Knowledge (i.e. declarative, process, schematic or conditional)<ul style="list-style-type: none"><li>○ What types of knowledge do you need?</li></ul></li><li>• Thinking... Metacognition demonstrated with non-routine problem</li><li>• Transfer of Knowledge (i.e. Near, far, negative)<ul style="list-style-type: none"><li>○ What are the skills that transfer? To what?</li></ul></li></ul>
11:30-12:30	Learners with Special Needs and Differentiation <ul style="list-style-type: none"><li>• <i>Guest Speaker:</i> Donna Sobel</li></ul>
12:30-1:15	Lunch
1:15-2:15	Practicing translation of scientific material <ul style="list-style-type: none"><li>• Article translation for target audience</li></ul>
2:15-3:15	Begin creating a PPT of research
3:15-3:30	Wrap-up

## DAY 3- Wednesday, July 14th - Interdisciplinary Learning & Classroom Culture

Time	Activity
8:30-10:30	Inquiry-based, interdisciplinary learning, & classroom culture <ul style="list-style-type: none"><li>- Snap-shot of a middle school</li><li>- Differentiated instruction, special needs students, and ELL</li><li>- Motivation</li></ul>

10:30-10:45	Break
10:45-11:45	Typical Day in the life of a Resident – Q & A
11:45-12:45	Lunch
12:45-2:15	Present “wow” activity with bio and provide feedback
2:15-3:00	Scripting of Press Conference
3:00-3:15	Wrap-up

#### DAY 4- Thursday, July 15th - Assessment & International Education

Time	Activity
8:30-10:00	Assessment & Standards <ul style="list-style-type: none"> <li>• <i>Guest Speaker:</i> Julie O’Brian</li> </ul>
10:00-10:15	Break
10:15-11:15	International Education
11:15 – 1:15	Lunch – Present Research and provide feedback
1:15-3:00	Revisit “wow” videos, press videos, and posters
3:00-3:15	Wrap-up

#### DAY 5- Friday, July 16th

Time	Activity
8:30-10:00	<i>Guest Speaker:</i> Liz Hudd <ul style="list-style-type: none"> <li>• Inquiry vs. lecture</li> <li>• Introduction to 5Es – one way of inquiry-based learning</li> <li>• Application of 5Es to Standards</li> </ul>
10:00-10:15	Break
10:15-11:30	Final Research presentations
11:30-12:30	Lunch
12:30-1:00	A look ahead at communication during the academic year
1:00-4:00	Taping of “wow” videos