

## GK-12 Orientation 2009

**Day 1- Monday, June 29<sup>th</sup> (Residents & Lead Teachers)**

**Location: CU Bldg. 470**

Responsibility	Time	Activity
<b>RMC</b>	8:30am-9:00am	(Teachers only) RMC- Teacher pre-survey
<b>Mike/Katie</b>	9:00am-9:30am	Introductions and Icebreaker
<b>Mike</b>	9:30am-11:00am	Overview of Project & research <ul style="list-style-type: none"> <li>• GK-12 programs and history</li> <li>• Our GK-12 project and goals</li> <li>• Demonstrate press conference video</li> <li>• International Picture of STEM</li> <li>• Colorado Picture of STEM</li> <li>• Research in Math/Science Teaching in the University</li> <li>• Research in Math/Science Teaching K-12</li> </ul>
	11:00am-11:45am	Motivational Speaker: Bill Briggs
	11:45am-12:30pm	Lunch
<b>Mike</b>	12:30pm-1:30pm	Speed Dating: 4 science activities/4 math activities
<b>Bryan &amp; Mark</b>	1:30pm-2:30pm	What's Your Culture? <ul style="list-style-type: none"> <li>• Math and Science Lead Teachers(LTs): What do you want the Residents to know about schools/educational climate? The middle school experience.               <ul style="list-style-type: none"> <li>• Teachers behavior management &amp; teaching styles</li> </ul> </li> <li>• GK-12 Residents: What do you want LTs to know about real research?</li> <li>• University culture: Research from a faculty perspective</li> </ul>
	2:30pm-2:45pm	BREAK
<b>Katie/Mike</b>	2:30pm-3:30pm	Roles/Expectations Handbook/logistics
	3:30pm-4:00pm	Wrap up: Q&A

**Day 2- Tuesday, June 30<sup>th</sup> (Residents & Lead Teachers)**

**Location: CU Bldg. 470**

Responsibility	Time	Activity
<b>Katie</b>	9:00am-11:15am	ALTERNATE: <ul style="list-style-type: none"> <li>• Residents: Present a model or activity that interprets your research (GK-12 Fellows)               <ul style="list-style-type: none"> <li>• (Present video bio info &amp; Wanted Poster)</li> </ul> </li> <li>• LTs: Presentations of Inquiry-Based Activities and student work</li> </ul>
<b>Mike</b>	11:15am-12:00pm	The good, the bad, and the ugly
	12:00pm-12:45pm	Lunch: Resident/LT Match (present w/criteria)
<b>Mike/Katie</b>	12:45pm-1:45pm	Case Studies (Resident/LT pair)
	1:45pm-2:00pm	BREAK
<b>Bryan</b>	2:00pm-4:00pm	Planning for Integration <ul style="list-style-type: none"> <li>- Review current curriculum &amp; standards</li> <li>- What content areas can Residents enhance?</li> <li>- Identify things Resident/LT can work on</li> <li>- What Interdisciplinary opportunities are available?</li> </ul>

### Day 3- Wednesday, July 1<sup>st</sup> (Residents, Lead Teachers, & Faculty Mentors)

Location: LSC 600

Responsibility	Time	Activity
<b>Mike/Carole</b>	8:00am-8:30am	Introductions
	8:30am-9:30am	Guest Speaker: Tom Clark (Denver Metro Chamber of Commerce)
	9:30am-9:45am	BREAK
<b>Bryan</b>	9:45am-11:30am	Introducing the GK-12 Resident, their purpose, and role And the roles of: <ul style="list-style-type: none"> <li>• Teachers</li> <li>• Mentors</li> <li>• Observation Mentors (Doug Dyckes/Jim Loats)</li> </ul>
		<i>Mentoring:</i> Introducing and utilizing the various Mentor roles in the GK-12 <ul style="list-style-type: none"> <li>- Faculty Advisors as mentors</li> <li>- Teachers as a mentor</li> <li>- Residents as a mentor</li> </ul>
	11:30am-12:30pm	Lunch
<b>Chris</b>	12:30am-12:40pm	Team Building & Leadership <ul style="list-style-type: none"> <li>• The TELC Model: <ul style="list-style-type: none"> <li>• What is a Professional Learning Community? <ul style="list-style-type: none"> <li>▪ Introduce the components of a PLC</li> <li>▪ How does this fit with your work?</li> </ul> </li> </ul> </li> </ul>
<b>Chris</b>	12:45pm-1:15pm	Setting Norms <ul style="list-style-type: none"> <li>• Teams jigsaw Norms put the 'Golden Rule' into practice for groups <ul style="list-style-type: none"> <li>• Introduction and Who Needs Norms</li> <li>• Creating Norms</li> <li>• Publicizing the Norms</li> <li>• Enforcing the Norms</li> <li>• Evaluating the Norms</li> </ul> </li> <li>• Teams look over Considerations for team norms</li> <li>• Teams select norms for team meetings</li> </ul>
<b>Chris</b>	1:15pm -1:45pm	Deciding on a Team Focus <ul style="list-style-type: none"> <li>• Use pages 9-12 in packet to guide a conversation to define a team goal</li> </ul>
	1:45pm-2:00pm	Norms of Collaboration <ul style="list-style-type: none"> <li>• Give each team a set of norms and ask them to read them to each other</li> <li>• Facilitate a conversation about what the Norms of Collaboration mean. Point out that these norms are different from the general norms just established by the team. Meeting norms are general ways of behaving when adults work together, whereas Norms of Collaboration are specific ways of talking to each other. Have each team select a Norm of Collaboration they wish to focus on during this session.</li> </ul>
	2:00pm -2:15pm	Break
<b>Chris</b>	2:15pm -3:00pm	Metaphorming the GK-12: What's your vision for the project? How will fellows and teachers interact? What will the outcomes look like for fellows, teachers, students, etc. <ul style="list-style-type: none"> <li>• Use the Guiding questions with roles and responsibilities for a TELC as a guide</li> </ul>
<b>Chris</b>	3:00pm-3:15pm	Identify an individual goal/commitment to support the team goal <ul style="list-style-type: none"> <li>• Write a note to self</li> <li>• How will you keep focused on goal?</li> </ul>
<b>Chris</b>	3:15pm-4:00pm	Breakout session: homogenous grouping

**Day 4- Thursday, July 2<sup>nd</sup> (Residents, Lead Teachers, & Faculty Mentors)****Location: CU Bldg. 470**

Responsibility	Time	Activity
<b>Carole</b>	9:00am-10:00am	Plan a mini-lesson (Resident, LT, Mentor): using workshop skills and 5 E model <ul style="list-style-type: none"><li>• See how planning process works</li><li>• build on teamwork and communication skills</li></ul>
<b>Carole</b>	10:00am-10:45am	Pair & Share w/2 different groups: present mini-lesson to another group
<b>Carole</b>	11:00am-11:45am	Breakout session: Theme Questions
<b>Katie</b>	11:45am-12:45pm	Potluck Lunch, Individual & Team Pictures
<b>Carole</b>	12:45am-3:30pm	TELC Planning Time & Presentation- discuss academic year content and begin discussion of possible areas for resident enhancement of the content/curriculum
<b>Carole/Mike</b>	3:30pm-4:00pm	Wrap-up; Q&A