

Summer All-Stars Course Outline

Dates: July 15-19, 22-26, 29-31

Times: 10:00 a.m. - 3:45 p.m.

- With the exception of week 3, the first period of each day (10:00-11:30) is for teachers only. Students will participate from 12:30-3:45.
- WE NEED TO DETERMINE A KICK-OFF/ORIENTATION DATE FOR THE TRAINING TO BE HELD AT ADLER.
- Each mentor will chose a wavelength (gamma ray, x-ray, ultraviolet, optical) to focus on and each wavelength will be connected to a particular NASA mission: gamma ray/Fermi, x-ray/Chandra, ultraviolet/GALEX, and optical/SDSS. Mentors should think of a team name for their group (e.g., SDSS Stormtroopers).
- Do you think there is need to fit in an Excel refresher for teachers and students?
- Lunch will be on your own. We may be able to increase the stipend to help support this.

Monday, July 15

10:00-11:30: Physics lessons (teachers only)

- I would like the physics content to be presented by Eman and Isaac, if possible.

12:30-2:00: iPad mini training, WordPress blog training (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

- Each day we will ask participants to make 2 blog entries. I would like the mentors to generate questions related to the content and our evaluator will provide additional questions related to the participants' experience.
- Minis will be distributed and collected every day and participants will be allowed to keep the devices upon completion of the course on July 31.

Tuesday, July 16 ("Team" Classrooms)

10:00-11:30: Expert lectures in individual "team" classrooms (teachers only)

12:30-2:00: History lesson and activity, led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Wednesday, July 17

10:00-11:30: Overview of lesson plan template, lesson plan development (teachers only)

12:30-2:00: Science lesson and activity, led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Thursday, July 18

10:00-11:30: Lesson plan development (teachers only)

12:30-2:00: Tools lesson and activity, led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Friday, July 19

10:00-11:30: Lesson plan development (teachers only)

12:30-2:00: Impact lesson and activity, led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Monday, July 22 (I am identifying candidates for the data activity from the missions)

10:00-11:30: Overview of mission data activity (teachers only)

12:30-2:00: Data activity led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Tuesday, July 23

10:00-11:30: Lesson plan development (teachers only)

12:30-2:00: Data activity led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Wednesday, July 24

10:00-11:30: Lesson plan development (teachers only)

12:30-2:00: Data activity led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Thursday, July 25

10:00-11:30: Lesson plan development (teachers only)

12:30-2:00: Data activity led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Friday, July 26

10:00-11:30: Lesson plan final draft (teachers only)

12:30-2:00: Data activity led by mentor (students and teachers)

2:15-3:45: Daily reflection/discussion and blogging (students and teachers)

Monday, July 29

10:00-11:30: 3, 25-minute presentations

12:30-2:00: 3, 25-minute presentations

2:15-3:45: 1, 25-minute presentation; daily reflection/discussion and blogging (students and teachers)

Tuesday, July 30

10:00-11:30: 3, 25-minute presentations

12:30-2:00: 3, 25-minute presentations

2:15-3:45: 1, 25-minute presentation; daily reflection/discussion and blogging (students and teachers)

Wednesday, July 31

10:00-11:30: 3, 25-minute presentations

12:30-2:00: 3, 25-minute presentations

2:15-3:45: daily reflection/discussion and blogging (students and teachers)

- Mentors will select 5 lesson presentations that will be videotaped subsequently at CPS for inclusion in Safari/Montage.