

2009 /2010 LYMAN HIGH SCHOOL ACE MENTOR
DRAFT PROGRAM MEETING SCHEDULE

8/11/2009

All sessions below are assumed as starting at 6:00 PM on Wednesday evenings unless a team schedules otherwise.

SESSION	DATE	TOPIC / ACTIVITY	DISCIPLINES REQUIRED	LOCATION
School Starts - August , 2009				
Meeting #1	October 14, 2009	Introduction Meeting - Ice Breaker function to introduce kids to mentors and kids to kids	Team Leader - 5 Mentors	TBD
Meeting #2	October 28, 2009	Industry Overview - Introduction to the Building Industry Professions - What does an Owner do? - Who, What, How and Why of Building - Projects and Career Opportunities in Architecture, Construction , and Engineering	Team Leader - 5 Mentors	TBD
Meeting #3	November 11, 2009	Architecture / Design - Blueprint Reading - Develop knowledge of scales - SD's, DD's, and CD's development - Understanding Cross Sections	Team Leader - 1 Architect Responsible for Program - 4 Mentors	TBD
<i>Thanksgiving Break</i>				
Meeting #4	December 2, 2009	Structural Engineering - What does a Structural Engineer do? - The importance of math and physics - Review basic tension & compression elements of structure	Team Leader - 1 Structural Engineer Responsible for Program - 4 Mentors	TBD
Meeting #5	December 16, 2009	Civil Engineering - Civil Engineering Overview - Geotechnical Investigation and Engineering - Understanding Site Topography Modeling - Mapping the Territory - Urban Planning / Land Use	Team Leader - 1 Civil Engineer & 1 Geo-Tech Engineer Responsible for Program - 3 Mentors	TBD
<i>Christmas Break</i>				
Meeting #6	January 6, 2010	Mechanical Engineering - Understanding Heat Loads & method of measurements - Differentiate between water systems - Fire Protection Systems - Sustainability	Team Leader - 1 Mechanical Engineer & 1 Mechanical Contractor Responsible for Program - 3 Mentors	TBD
Meeting #7	January 20, 2010	Electrical Engineering - Primary Power Requirements Calculating Design Loads - Governing codes, NEC, NFPA 409, etc. - Sustainability	Team Leader - 1 Electrical Engineer & 1 Electrical Contractor Responsible for Program - 3 Mentors	TBD
Meeting #8	February 3, 2010	Construction Management - Contractor Activities Construction Management / Sequencing - Construction Management Role Simulation - Cost Estimation & Bid Simulation	Team Leader - 2 General Contractors 1 Subcontractor Responsible for Program - 2 Mentors	TBD
Meeting #9	February 17, 2010	Project Session #1	TBD	TBD
Meeting #10	March 3, 2010	Project Session #2	TBD	TBD
Meeting #11	March 17, 2010	Project Session #3	TBD	TBD
Meeting #12	March 31, 2010	Project Session #4	TBD	TBD
<i>Spring Break</i>				
Meeting #13	April 14, 2010	Project Session #5	TBD	TBD
Meeting #14	April 28, 2010	Project Session #6	TBD	TBD

Mentor Team is to be comprised of 6 - 10 Mentors that would alternate participation in the various Mentor Sessions.

The Mentors will be able to coordinate schedules and participation based on the above while maintaining a consistent mentor team presented to the students.

Mentor team should have the following disciplines represented:

- Architect
- Civil engineer
- Structural engineer
- Mechanical engineer
- Electrical engineer
- General contractor
- Mechanical or Electrical subcontractor