

School Earthquake Safety Initiative

UC San Diego
Structural Engineering



Road Map

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FEMA

ATC

Road Map:

0) Preparation

- a) Review SESI Teacher Information PowerPoint (1.1)
- b) Read Materials List (1.4)
- c) Review Master Spreadsheet (1.5)
- d) View pictures & videos of structural models (1.6)
- e) Review Project Guidelines (1.7)

1) Visit 1 – 1st lecture

- a) Before
 - i. Review slides: Lecture1_slides (2.1)
 - ii. Watch video: Lecture1_video (2.1)
 - iii. Open Lecture 1 supplementary gif files (2.1)
 - iv. Read handout: Vocabulary List (3.5)
- b) During
 - i. Present slides: Lecture1_slides (2.1)
 - ii. Explain handout: Vocabulary List (3.5)

2) Visit 2 – 2nd lecture

- a) Before
 - i. Review slides: Lecture2_slides (2.2)
 - ii. Watch video: Lecture2_video (2.2)
 - iii. Read handout: Project Document (3.1)
 - iv. Read notes: Teacher Notes Before Visit 2 (1.2)
- b) During
 - i. Present slides: Lecture2_slides (2.2)
 - ii. Explain handout: Explain Project Document (3.1)

3) Visit 3 – 3rd lecture

- a) Before
 - i. Review slides: Lecture3_slides (2.3)
 - ii. Watch video: Lecture3_video (2.3)
 - iii. Read notes: Software Setup (1.8)
 - iv. Watch video: Shake Table Setup (1.9)
 - v. Setup shake table and test software
 - vi. Read handout: Construction Method (3.2)
 - vii. Read handout: Prediction Handout (3.3)
 - viii. Read notes: Teacher Notes Before Visit 3 (1.3)
- b) During
 - i. Present slides: Lecture3_slides (2.3)
 - ii. Explain handout: Construction Method (3.2)
 - iii. Explain handout: Prediction Handout (3.3)

4) Visit 4 – shake table testing

- a) Before
 - i. Watch video: Shake Table Testing (2.4)
 - ii. Read handout: Test Day Worksheet (3.4)
- b) During
 - i. Explain handout: Test Day Worksheet (3.4)
 - ii. Test structures

Folder Key:

#0 – Pitch & Curriculum Documentation (0.0)

- SESI Brochure (0.1)
- Curriculum Pitch for Classrooms (0.2)
- SESI Overview Presentation (0.3)
- High School Curriculum (0.4)
- Assessment Formation (0.5)
- Structural Modeling Overview (0.6)

#1 – Teacher Documentation (1.0)

- SESI Teacher Information ppt (1.1)
- Teacher Notes Before Visit 2 (1.2)
- Teacher Notes Before Visit 3 (1.3)
- Materials List (1.4)
- Master Spreadsheet (1.5)
- Pictures & Models (1.6)
- Project Guidelines (1.7)
- Software (1.8)
- Shake Table Setup
- Survey & Tips (1.10)

#2 – Lecture Presentations & Videos (2.0)

- Lecture 1 (2.1)
- Lecture 2 (2.2)
- Lecture 3 (2.3)
- Test Day (2.4)

#3 – Handouts (3.0)

- Project Document (3.1)
- Construction Methods (3.2)
- Prediction Handout (3.3)
- Test Day Worksheet (3.4)
- Vocabulary List (3.5)