



## Exploring Scouts – Engineering Post

**Wednesday, September 6<sup>th</sup>** – Open House at Camp Belzer

**Wednesday, October 11<sup>th</sup>** – Design Phase I

- Present intro to structural engineering
- Review post objective
- Develop initial designs and plans
- Create groups

**Wednesday, November 8<sup>th</sup>** – Present Structural Concepts (Begin Design Phase II)

- Review designs
- Introduce RAM Elements (Structural Analysis Program)
- Update initial designs with feedback from CSC engineers

**Wednesday, December 13<sup>th</sup>** – **MEET AT IKEA (cafeteria)**

- Review RAM concepts
- Refine – Revise – Plan to build
- Walking tour of IKEA / Discussion of structural components in IKEA

**Wednesday, January 10<sup>th</sup>** – Presentation Day!

- Present structure to the team (cost, schedule, design)
- Peer reviews/voting
- Bring and present finished building

**Wednesday, February 21<sup>st</sup>** – Challenge Day

- Test structure against the elements (wind and earthquake)

**Wednesday, March 14<sup>th</sup>** – **MEET AT BANKER'S LIFE FIELDHOUSE**

- Declare winner
- Scavenger Hunt

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*(Meetings will be held at CSC's office unless otherwise noted.)*