



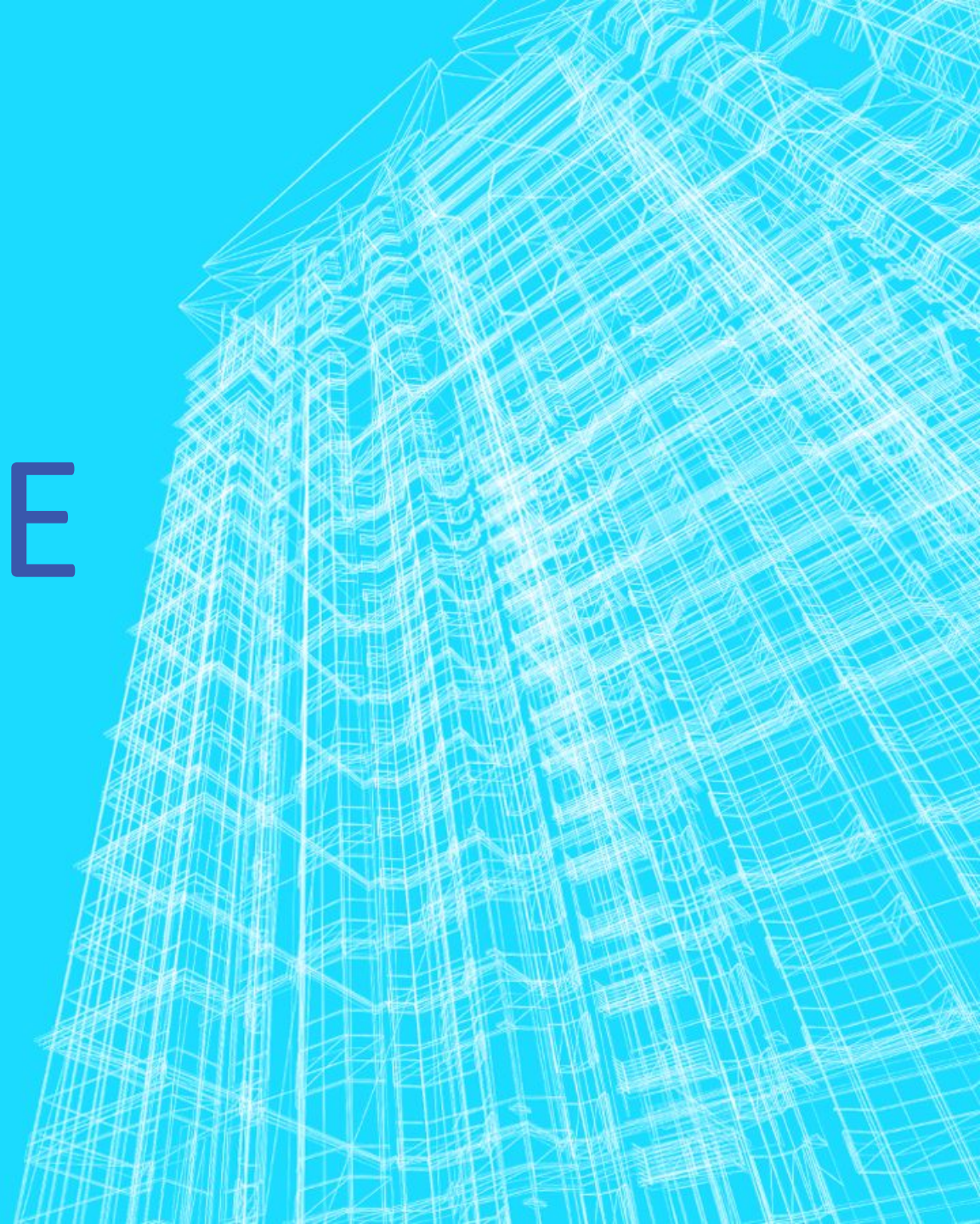
BEFORE WE BEGIN:

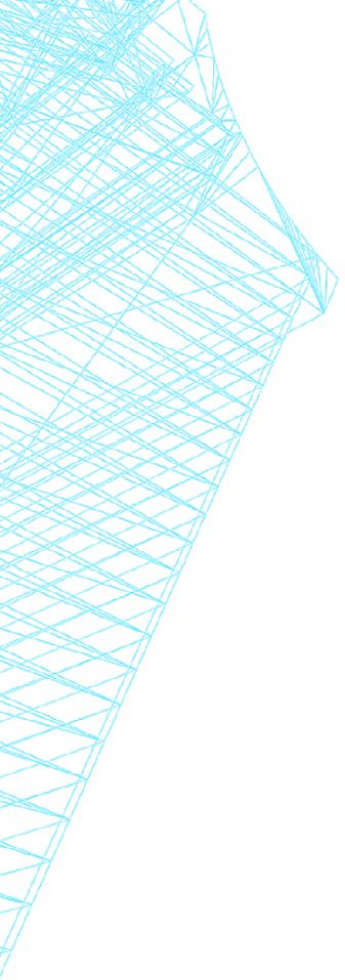
- We want to know who is here! Please introduce yourself in the chat: Name and School.
- Please mute your microphone to reduce background noise.
- We will leave time for Q & A. Please submit your questions via the Google form that will be shared in the chat.
- This presentation, along with the questions and answers, will be posted on the WESO website.

MYSTERY ARCHITECTURE

WESO 2022

EVENT SUPERVISORS:
Anand A
Raj S



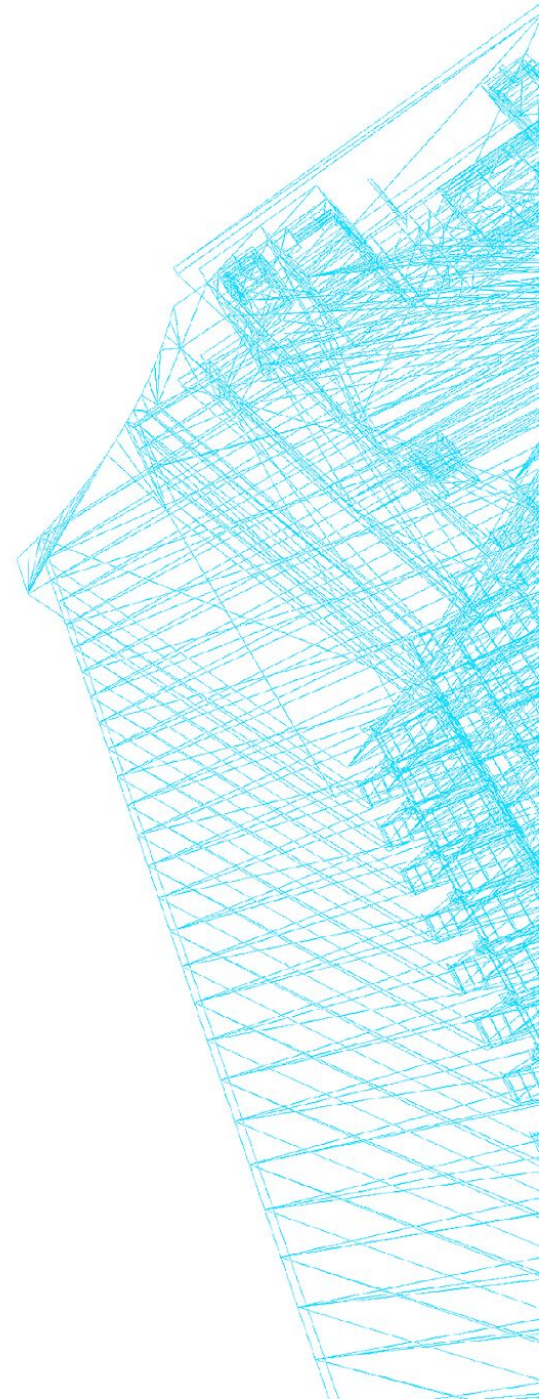


BRIEF DESCRIPTION

The objective of this event is to use the given materials to build the tallest free-standing tower that can hold a tennis ball on top until the measurements are recorded.

GOALS FOR THIS EVENT

- Building skills
- Teamwork
- Fun



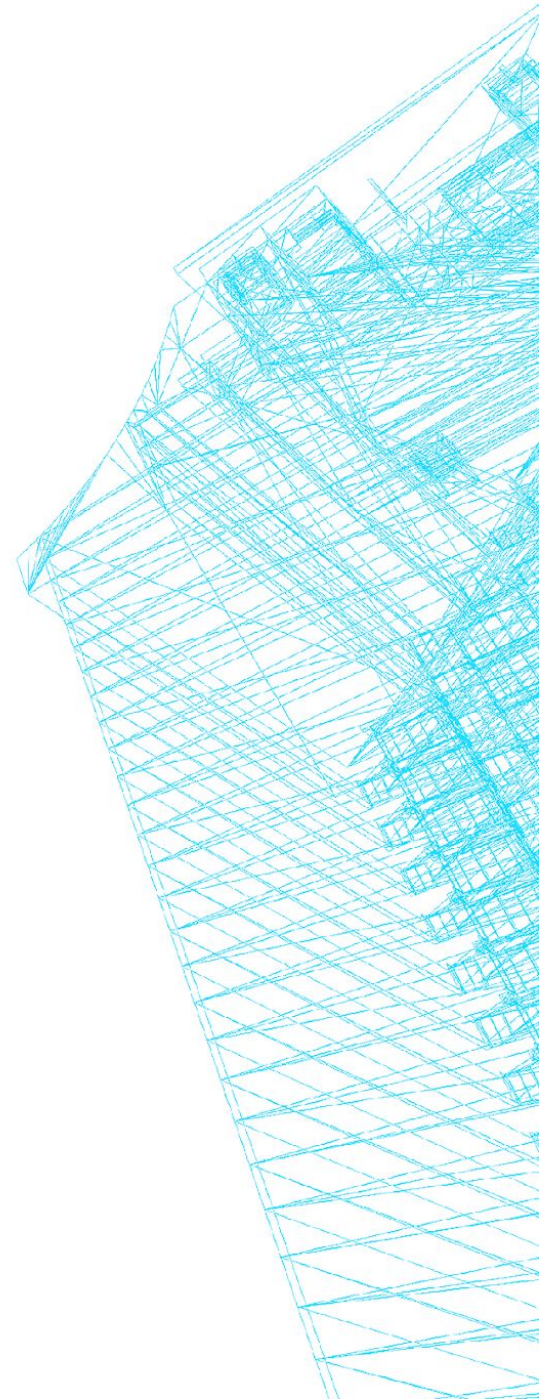


EVENT FORMAT

- **Grades:** 2,3,4,5
- **Team Size:** 1-2 participants per grade
- **Duration:** 30 mins
- **The detailed event description can be found at:**
<https://wesoscience.org/events/>

EVENT RULES

- All kids need to report 5 minutes before the session start time. The session will start and end on time. If the kids are late to the session, they will lose time.
- Each team will be given a bag (similar in size to a Kroger/Meijer plastic grocery bag) of building materials. All teams in each grade will receive the same materials.
- The Supervisor will have a list of the materials and will read out the items and their quantities so that the students can verify before they start building. The bag containing the materials cannot be used for building and should be returned to the Supervisor.
- Every team will be provided with a pair of scissors and three strips (one foot each in length) of masking tape (Scotch brand masking tape, ½ inch width). The participants will not be allowed to bring any tools.



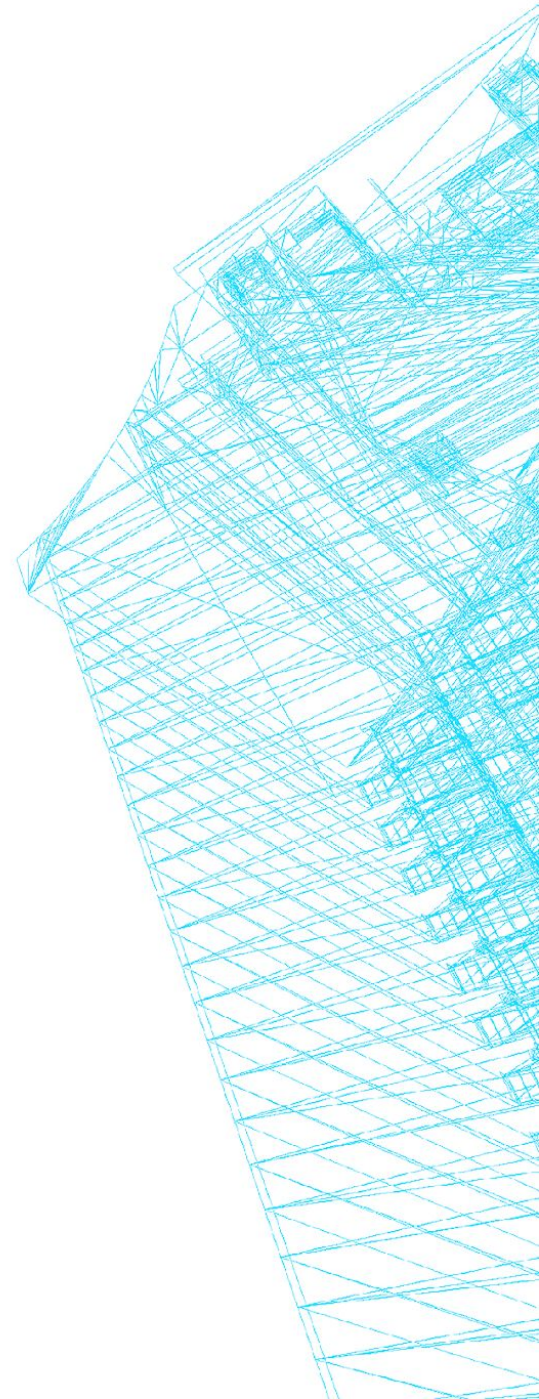


EVENT RULES

- There will be about 10 - 15 items with which the kids can build their structures.
- Students do **not** have to use all the materials provided.
- **The structure must be built on the floor and should be freestanding.**
- No building materials are to extend above the load/tennis ball.

EVENT RULES: TIMING

- The students will have **20 minutes** to complete their structure.
- Students are notified when to start and the timer is run down from that point onwards.
- The students are notified approximately every five minutes. A two-minute warning is provided before the end of the 20-minute session. After the 20 minutes are over, each team is requested to step away from the structure.





TESTING

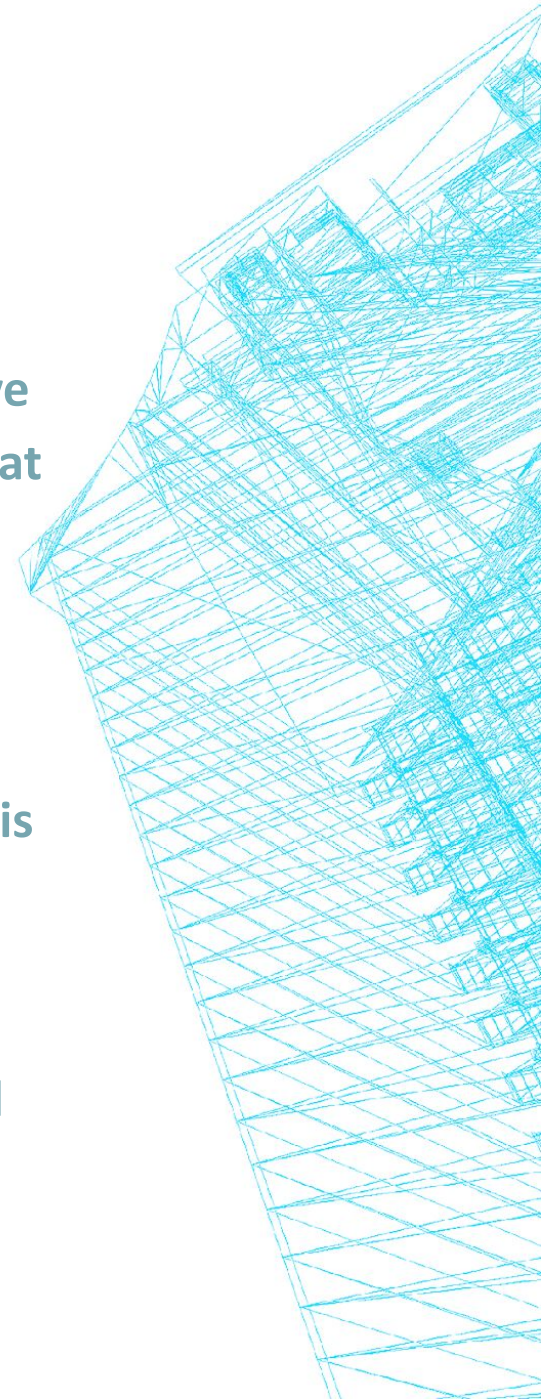
Students will be provided with a WESO tennis ball if they need one for testing purposes during the competition.

If the structure falls during the trial prior to 20 minutes, the students can rebuild and carry out adjustments.

A 'reading' or an 'unofficial' measurement (height and maximum base) can be requested with the tennis ball load (placed by students). It is just for the students' reference and will not be considered for scoring.

FINAL MEASUREMENTS

- A 'final' or 'official' measurement (height and maximum base) is with the WESO tennis ball load (placed by students) and will be considered for scoring.
- We suggest (and will encourage) that the students ask for a final measurement when they have a decent build (even before completion of event) so that they have something on record. If the structure holds the tennis ball (placed by students), that measurement will be recorded by the Supervisors. The students can continue building a taller structure provided it is within 20 minutes.
- Once completed, the team should inform the supervisors. They will be provided with the WESO tennis ball and that should be balanced by the students on top of their tower. Since no building materials are to extend above it, the top of the tennis ball will be considered the highest point of the tower. The tower must remain standing until the measurements are recorded.
- In case the structure falls at the end of the event, we will consider the best of the 'final' measurements they have on record. Even if the structure is intact at the end of the build, we will consider the best of the 'final' measurements they have on record.



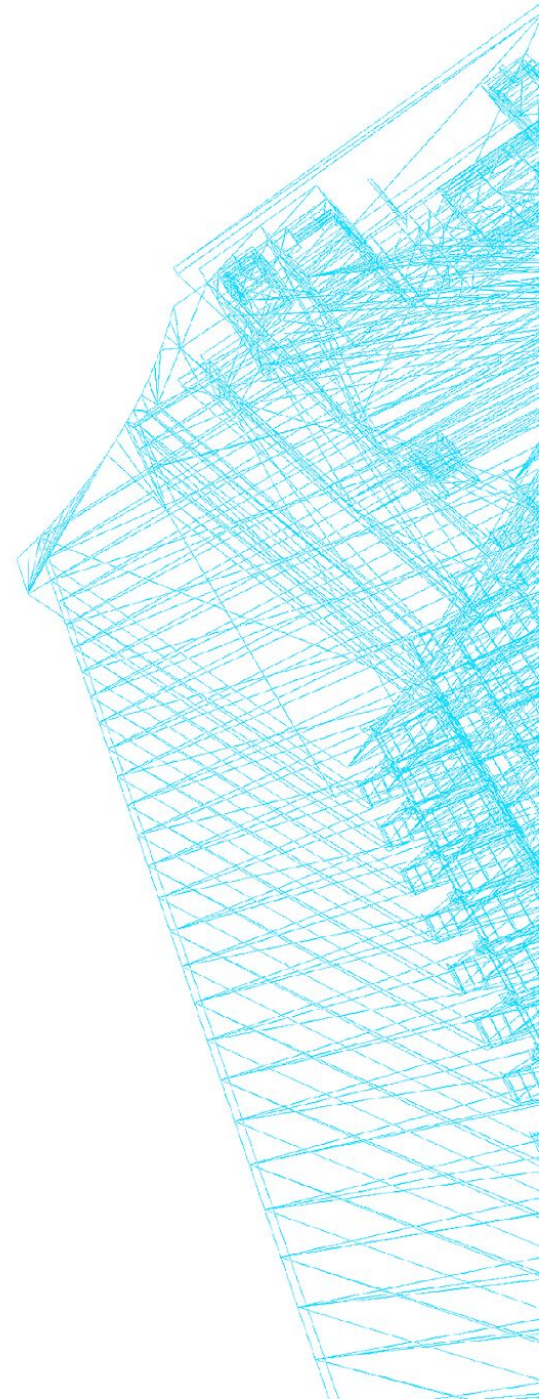


SCORING

- The supervisors will measure the height, width & length (max base) of the tower.
- **The structure with the tennis ball has to be standing for the measurement to be recorded by the Supervisors.**
- The tallest free-standing tower that can support the tennis ball wins.
- If none of the structures balance the ball, there will be no awards for that event.
- **Tie Break Criteria:** If there is a tie on the height, the structure with the smallest base width wins.

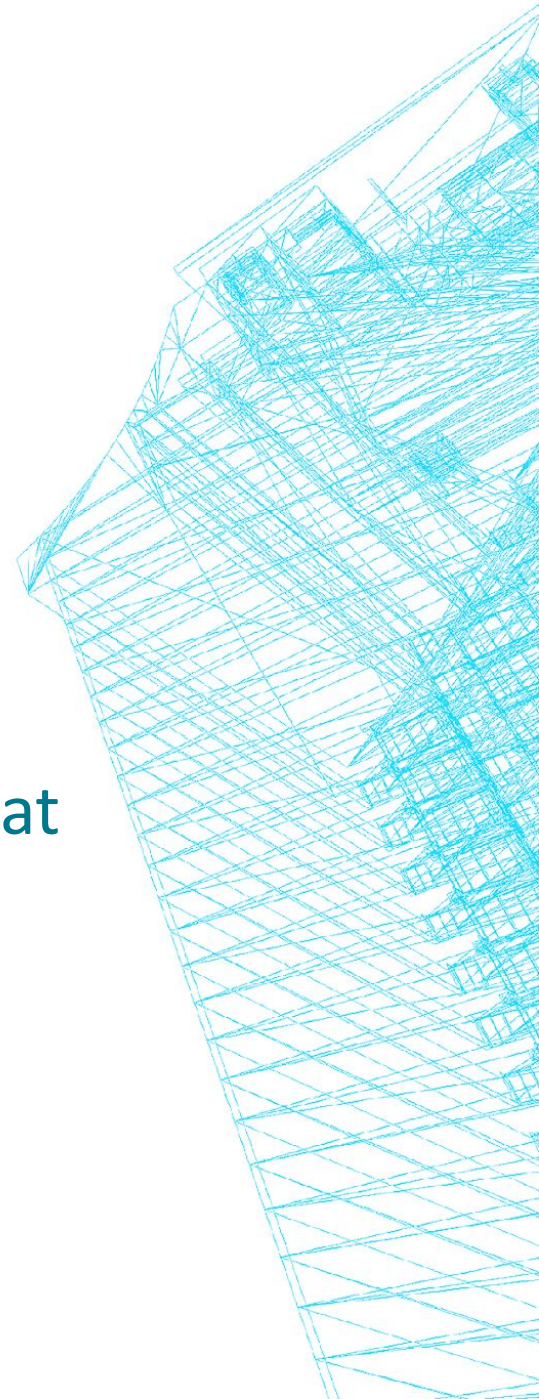
MATERIALS TO BE BROUGHT TO COMPETITION

- None
- All materials (including WESO tennis ball) and tools needed for the event will be supplied by WESO.



TIPS FOR COACHING

- Use different types and shapes of materials during practice.
- Some examples are household materials like paper, pins, cups, straws, paper clips, etc.
- Make sure your 2 students can work as a team and that they have a plan before they start.
- They will not be given additional supplies or tape.



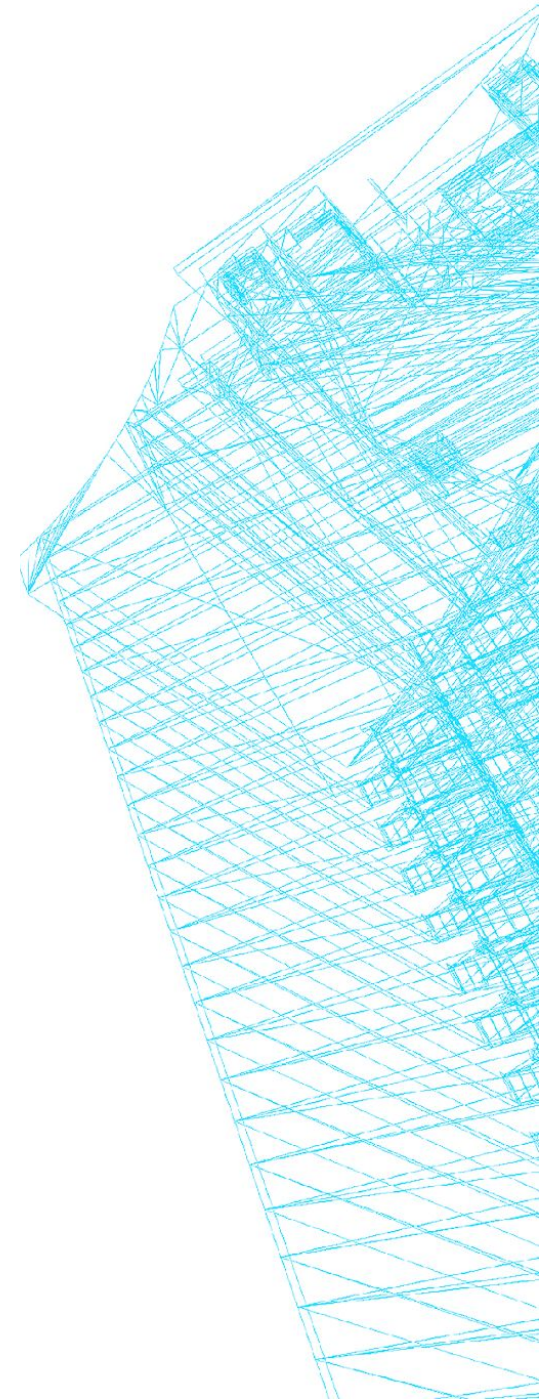
QUESTIONS AFTER TONIGHT?

- If you have any questions, please email them to weso.events@gmail.com with the event title in the subject line.
- The reply from the supervisor will be posted on the WESO blog. You can sign up to receive the blog posts at wesoscience.org
- Additional materials, including this presentation and Q & A, will be posted on the blog.

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QUESTIONS NOW?

- Please submit your questions now using the Google form that was shared with you in the chat.
- We will answer live and post all questions and written answers to the website following the meeting.

Thank you for serving as an event coach and helping us bring back WESO to our community!