

Question:

Answer:

Will the test zip line at the event be the same angle as the actual line?	No -- the purpose of the test zip line is to allow the teams to practice and make sure the cable car can successfully run down the zip line. It will not have the same dimensions as the competition line.
Is there a standard angle and length of the zip line?	The vertical drop of the zipline will be approx. 1.2-1.5m (4-5 feet), and the horizontal distance between the photogates will be 3.0-4.6m (10-15 feet). The exact dimensions will change between grade levels.
Could you share the slides so we have a guide during coaching?	They will be posted on the WESO website under events in a few days.
Are coaches allowed to observe the competition room?	No
How many teams are competing in each grade level?	25 to 30 schools but we do not know how many will be competing in this actual event.
If neither parents nor coaches are allowed in the building, how will you guide my 2nd grader in a brand new, large school facility to and from events and pickup / drop-off locations?	We have many volunteers who will escort the teams to the correct location.
Are scores given to the teams at the end of the event or later that day?	Top 5 teams are announced at the award ceremony. Head Coaches will get the full rankings after the event. The kids will only know how close they were to the target time during the event.
Is there an award ceremony on the day of competition?	Yes, there is an award ceremony for each grade level. They will be held outside this year.
How close do winning teams usually get	In 2019, the winning team for 4th grade was within 0.01s of the target time, and 5th place was within 0.12s. For 5th grade, the winning team was within 0.0025s and 5th place was within 0.05s.
Are they allowed to modify the harness at all?	The teams will not bring their own harness into the event. They may not make modifications to the harness they are given, but may fix the alignment of the cup hooks.
Can you explain more the set-up in the competition room	It will be in the Pioneer cafeteria. Students will be led to their build table. The 4th and 5th graders will also take the test at that table before building their cable car. Practice zip lines will be near the build table. When it is time to do the timed tests, the students will go to the competition zip line. After each run, they may return to the build table for adjustments.
Will teams get to see other teams runs?	Yes, but they are mostly focusing on their own runs. The other teams will not see the actual result of the run (time).

<p>Is there a range of angle/length and weight that we can expect in competition?</p>	<p>The vertical drop of the zipline will be approx. 1.2-1.5m (4-5 feet), and the horizontal distance between the photogates will be 3.0-4.6m (10-15 feet). The dimension will change between grade levels.</p>
<p>Are we supposed to have our own zip line test device? If so, do you have any template/blueprint on how to build one?</p>	<p>It is intended that any simple zip line setup (and any simple timing device like your phone's stopwatch) can be used for practice. Tying a zip line between a door knob and a leg of a table is good enough if there's some angle to it. The keys for practice is for the students to think about how to build and modify their cable car to reach a target time, not to worry whether the zip line mounts and timing are the exact same as in the competition.</p>