

THE WEATHER BALLOON CHALLENGE RULES

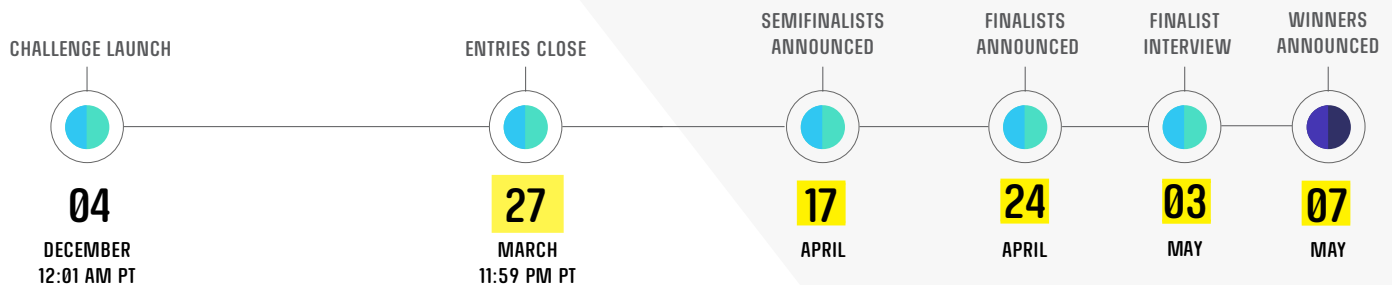
Page 1 of 3

The Challenge:

Your challenge is to design a weather balloon payload for Future Engineers to launch in Los Angeles, CA. First: Using historical data, create 2-3 data visualizations that explain Los Angeles weather and/or climate, including average annual temperatures in Los Angeles for the past 20 years. Second: Using recycled materials and our “paper and penny” mockup components, design a payload that can hang from a helium weather balloon and survive an 8 foot drop test. Your entry must include images (up to 6), a title, and a text description. Be sure to review the **CONTEST RULES** and **DESIGN GUIDELINES** for all challenge details and specifications. If you win, we will launch your design and you will also get a weather balloon supply kit! Start thinking lofty ... and good luck!

Program Dates

All entries must be received by: **MARCH 27, 2019, 11:59 PM Pacific time**. For class challenge participants: Parent consent must be received by the deadline. Otherwise, it will be an educational entry and not eligible to win.



Winners and Honorees



TEN SEMIFINALISTS

Judged on the uploaded entry, the 10 entries with the highest score based on the Judging Criteria described below will be selected as prospective semifinalists and vetted for eligibility, then announced..



FOUR FINALISTS

Of the 10 semifinalists, the Judging panel will again apply the Judging Criteria described below and the 4 entries with the highest score will be selected as finalists, announced and contacted for a final interview.



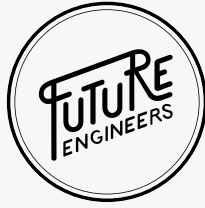
ONE WINNER

Of the 4 finalists, the Judging panel will again apply the Judging Criteria described below with focus on the communication criteria for the required final interview, and one winner will be selected and announced.

Future Engineers reserves the right to (i) select fewer semifinalists, finalists and/or winners (if there is not enough eligible entries received) or (ii) to select more semifinalists, finalists, and/or winners or (iii) to award additional prizes. If a semifinalist, finalist and/or winner is disqualified for any reason, Future Engineers may award the prize to an alternate even if the disqualified person has already been announced.



email: support@futureengineers.org / web: www.futureengineers.org



THE WEATHER BALLOON CHALLENGE RULES

Page 2 of 3

Judging Criteria

The Judging Panel will score all eligible entries based on the following Judging Criteria (max score of 100 points):



30 POINTS

Quality of the Data Visualizations: Informativeness of your LA Weather Data Visualizations and compliance with the Design Guidelines

30 POINTS

Quality of the Design: Flight worthiness of your Weather Balloon Payload Design and compliance with the Design Guidelines.

20 POINTS

Creativity of your Weather Balloon Payload Design

20 POINTS

Communication of your entry via text, images, and/or finalist interview (if applicable).

Who Can Enter

Students in Grades Kindergarten through Eighth Grade attending a public, private, or home school in the United States, including schools in the 50 US States and DC, US territories and US soil abroad.

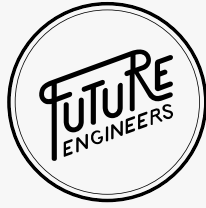
Challenge Rules Summary

Submissions that violate the rules will not be accepted or displayed, and will not be eligible to win.

- ONE eligible entry - either as an INDIVIDUAL or as part of a TEAM with up to 4 team members. You may edit your entry, but your last submitted entry before the deadline will be judged.
- NO NAMES OF PEOPLE! Don't write or show your **first & last name**, username, or anyone else's name anywhere in your text, title, or image. Referencing historical figures is OK in your description if needed to explain your design.
- Your Submission Must Include:
 - IMAGES of your weather balloon payload design and data visualizations
 - Up to 6 images and/or photos (Refer to the Design Guidelines for more detail.)
 - GIF, PNG, JPG/JPEG, BMP, or SVG
 - Max **3 MB** each
 - TITLE of your Entry
 - Max 30 Characters
 - WRITTEN TEXT DESCRIPTION of your Entry
 - Max 1500 Characters
- NO FACES! Do not include your face or anyone else's face in your images. **Backs of heads, or blurred/obscured faces are OK if unidentifiable.**
- No corporate names, brand names, logos, or otherwise trademarked items in your title or photo. Referencing common trade names factually in your description is OK if needed to explain your design. (Like velcro, for example.)
- Keep it G-rated! No inappropriate content.
- All submissions must be 100% made by YOU and/or the students on your team.



email: support@futureengineers.org / web: www.futureengineers.org



THE WEATHER BALLOON CHALLENGE RULES

Page 3 of 3

Prizes and Approximate Retail Value



WEATHER BALLOON SUPPLY KIT

One winning student or team will receive an Eagle Kit of Weather Balloon Components from High Altitude Science



FUTURE ENGINEERS WATER BOTTLE

Four finalists will win a Future Engineers water bottle per team member.



FUTURE ENGINEERS TEE

Ten semifinalists will win a Future Engineers T-Shirt per team member.

Design Ownership and Public Licensing

In addition to the terms of the Official Rules, all entries will be displayed in a public gallery and will be licensed publicly as:

[Attribution - NonCommercial - ShareAlike](#)

4.0 International (CC BY-NC-SA 4.0)

Potential Semifinalist Notification

The potential semifinalists' parents or legal guardians will be notified via email and they will be required to sign and return the following documents by a specified time:

Information and Publicity Release and Affidavit of Eligibility and Media Release

If any email is returned as undeliverable, or if a potential semifinalist cannot be reached after a maximum of two (2) attempts by email or phone or fails to properly sign and return all releases within the time period requested, or if a potential semifinalist is found to be ineligible, the potential semifinalist will be disqualified. The next highest scoring entry will be notified, time permitting.

Finalist Interview

Finalists will be required to participate in a finalist interview, conducted virtually with a panel of judges using an online video conferencing service such as Google Hangout. This will happen on or about **May 3**, depending on judge and finalist schedules.

Tie Break

In the event of a tie at any stage of judging, 'Creativity of the Weather Balloon Payload Design' will be used as the tie-breaker. If a further tie-break is needed, 'Quality of the Design' will be used as a tie-breaker.

GOOD LUCK!



email: support@futureengineers.org / web: www.futureengineers.org