

LUNABOTICS JUNIOR CONTEST (THE "CHALLENGE") RULES

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The Challenge:

Your challenge is to design a robot that can dig and move lunar soil (regolith) from one area of the lunar south pole to a holding container near a future Artemis Moon base. As NASA prepares to return to the Moon, lunar regolith will be needed for multiple purposes: to build a moon base using lunar concrete; to harvest water that can also be used for rocket fuel; and to extract possible metals or minerals. NASA will need robots that can help! Please create at least one (and up to 6) image(s) of your robot's design (e.g., original work of art, 3D model, diagram, or photo of a prototype, etc.) and a written summary that explains your robot's design in 150 words or less. Your robot must be no larger than 3.5 feet x 2 feet x 2 feet in size. Your participation in this Challenge is governed not only by these Challenge Rules BUT ALSO by the [GENERAL RULES](#), which are incorporated herein. herein.

Who Can Enter

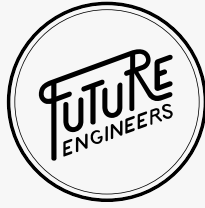
Legal residents of the United States who are registered students in grades kindergarten through twelfth grade attending a public, private, or home school in the United States (including U.S. Territories or Possessions and schools operated by the U.S. for the children of American personnel overseas) are eligible to enter (eligible "Participants"). Employees of Future Engineers ("Sponsor") and the National Aeronautics and Space Administration (NASA) ("Challenge Parties"), and their immediate family members (spouse, parent, child, sibling, partners, and their respective spouses, and foster and step-relations) regardless of where they reside, or those living in the employee's same household (whether or not related) are not eligible to enter or win a prize.

Privacy Rules

Submissions will be reviewed for eligibility, compliance, privacy, and student safety prior to being displayed in the gallery. Entries that moderators find not to be compliant, for example that contain personal information may (but without obligation) be flagged for resubmission (or rejected if after the deadline).

- NO NAMES OF PEOPLE! Don't write your full name, or anyone else's full name in your entry. Factually referencing significant figures (e.g., a scientist, artist, or engineer) is OK in your essay.
- NO CONTACT INFO! Don't submit an address, email address, phone number, or any combination of information that could be used to identify or contact a student.
- NO SCHOOL NAMES! Don't submit your school name in your submission.
- NO USERNAMES! Don't submit a username from any site or platform.
- NO FACES! Don't include the face of yourself or others in your entry.





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Submission Criteria

Submissions that violate the rules will be ineligible to win and may be flagged for resubmission.

- Your Submission Must Include:
 - INCLUDE AN ORIGINAL NAME OF YOUR ROBOT
 - MAX 30 characters
 - SHORT DESCRIPTION OF YOUR ROBOT'S DESIGN
 - Max 150 words
 - AT LEAST 1 (up to 6) IMAGE(S)/ILLUSTRATION(S)
 - File Formats: GIF, JPG/JPEG, PNG, or BMP
 - Max 3 MB each
- Do not upload content that infringes on the rights of others. Referencing common trade names **factually** in your description is OK.
- ONE eligible entry per student. Team entries are NOT allowed. You may edit your submitted entry, but your last version of the submitted entry before the deadline will be judged.
- Keep it G-rated! No inappropriate content (as determined by Sponsor in its sole discretion).
- Your entry must be original and must be designed and made by YOU. Adults may assist younger students with typing the online submission, but the name, image(s) and short description must be the **student's** own creative, original work.
- Your entry must not contain URLs that link to external sites, files, or videos such as Google Docs or YouTube.
- Your entry must not contain copyrighted material or plagiarized text.
- Your entry must not contain URLs that link to external sites, files, or videos such as Google Docs or YouTube. Citing general sources such as "NASA" or "Space.com" is ok if it is intended to identify a source, not provide additional

Judging Criteria

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



25 POINTS

Likelihood of your robot's design to successfully move lunar soil

25 POINTS

Your design's consideration of the unique lunar environment and its challenges

25 POINTS

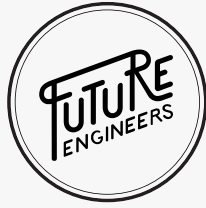
Creativity and originality of the design

25 POINTS

Communication of your robot's design through image(s)/illustration(s) and text



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Tie Break

In the event of a tie at any stage of judging, the tie will be broken amongst all tied entries by the highest score in the 'Creativity and originality of the design' category.

Program Dates

All entries must be received by: JANUARY 25, 2022, 10:00 PM Pacific Time. Parent consent must be received by the time requested, otherwise entry will be disqualified, and entrant will be ineligible to win. It is anticipated that Challenge dates/deadlines will be on or about as follows; however, all dates may be subject to change due to necessity of the circumstances, as determined by Sponsor in its sole and absolute discretion:

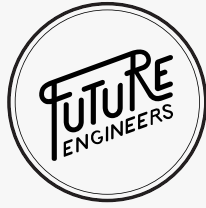


Winners and Honorees

Students will compete in one of two grade categories K-5 and 6-12 (each a "Grade Category").

- TWENTY (20) SEMIFINALISTS**
Judged on the uploaded entry, the 10 entries with the highest score in each Grade Category based on the Judging Criteria described above will be selected as potential semifinalists and vetted for eligibility, then announced ("Semifinalists").
- EIGHT (8) FINALISTS**
The Judges will again apply the Judging Criteria described above to select the 4 highest scoring entries from the Semifinalists in each Grade Category to be selected as finalists ("Finalists"). Once verified, Finalists will be announced and contacted for a final interview.
- TWO (2) GRAND PRIZE WINNERS**
Judges will again apply the Judging Criteria described above to select from the Finalists the highest scoring entries in each Grade Category and 1 Grand Prize winner in each Grade Category will be selected and announced.





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Winners and Honorees (Continued)

Future Engineers reserves the right to (i) select fewer Semifinalists, Finalists (if there are not enough eligible entries received) or (ii) to select more Semifinalists, and/or Finalists or (iii) to award additional prizes (except for the Grand Prize) or (iv) not award a prize, or to disqualify any Participant/entry at any time (and require immediate prize return, if applicable) if it determines or suspects that Participant/entry is ineligible, incomplete, non-compliant, or that awarding the prize to any such Participant might bring the Sponsor or any other of the Challenge Parties into public disrepute, scandal or contempt. If a Semifinalist, Finalist and/or winner is disqualified for any reason, Future Engineers or NASA may award the subject prize to an alternate even if the disqualified Participant has already been

Semifinalists, Finalists, and Grand Prize Winners

PRIZES/Approx. Retail Value ("ARV")

- SEMIFINALISTS PRIZES (20): A Lunabotics Junior Prize pack. Prize pack anticipated but not guaranteed to consist of: pins, stickers, and printed materials (ARV \$10)
- FINALIST PRIZES (8): An invitation to participate in a virtual (approx. 30 minute) session with a NASA subject matter expert
- GRAND PRIZE (2): A virtual session (approx. 30 minute) for their class with Kennedy Space Center Director, Janet Petro

Ownership and Public Licensing

Entries may be displayed in a moderated public gallery. Please refer to the [GENERAL RULES](#) and [TERMS OF SERVICE](#) for details. Depiction in the gallery shall not be deemed a representation of an entries' ranking, score, or eligibility for the Challenge.

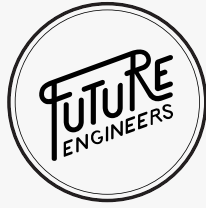
Potential Finalist Notification

The potential semifinalists' parents or legal guardians will be notified via email and they will be required to sign and return additional documents by a specified time, which may include:

Affidavit (or Declaration, as determined by Sponsor) of Eligibility, Liability and, where legal a Publicity Release.



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Potential Finalist Notification (Continued)

If any prize, prize notification, email or other communication is returned as undeliverable, or if a potential winner (at any level) cannot be reached after a maximum of two (2) attempts by email or phone, refuses the prize, or fails to properly sign and return all releases within the time period requested, or if a potential Semifinalist/Finalist or their entry is found to be ineligible, the potential Semifinalist/Finalist may be disqualified. The next highest scoring entry (for the applicable prize level) may be notified, time permitting.

Sponsor and Challenge Parties:

Sponsor: Future Engineers LLC

Challenge Parties: NASA

GOOD LUCK!



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