

## THE MARS MEDICAL CHALLENGE

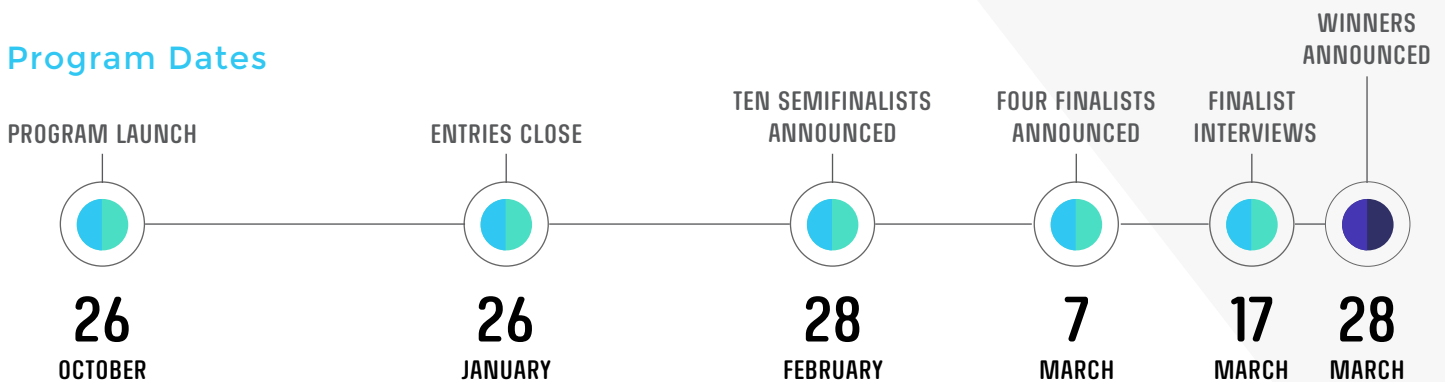
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### Contest Rules Summary

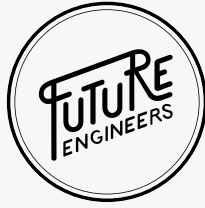
- ONE eligible submission per person.
- No team entries are allowed.
- A Submission Must Include:
  - 3D Model of your Medical Object
    - File must be an **STL file format**
    - **Max 20MB**
  - Image of your Medical Object
    - File must be **JPG or JPEG file format**
    - **Max 500KB**
  - Title of your Medical Object (Max 20 characters)
  - Description/Use of your Medical Object (Max 1000 characters)
- Submissions must be an original creation that was 100% 3D Modeled by YOU, the student.
- Keep it G-rated! Please don't submit inappropriate content. All submissions will be censored prior to display on our gallery page.
- Keep your Title Copyright & Trademark Free! Don't use corporate names or any logos in your 3D model, Image, or Title. NO NASA in your title. Referencing NASA in the description is OK.
- KEEP IT IDENTIFY FREE! Don't use or show your name, anyone else's name, or any user-names, **ANYWHERE** - in text, title, 3D model, or image. Factually referencing researchers, astronauts, or historical figures in your description is OK if it helps you explain your design.

**Submissions that violate the rules will be deemed ineligible and not displayed on the site. Every student is allowed one eligible submission and will be granted a resubmission prior to the closing date if needed, with the exception of offensive violations. Please review the Official Rules and Design Guidelines prior to designing your submissions.**

### Program Dates



CONTACT: email: [info@futureengineers.org](mailto:info@futureengineers.org)/ web: [www.futureengineers.org](http://www.futureengineers.org)



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### Judging Criteria - Teens & Juniors



**30** POINTS

**Design Concept:** Theoretical ability to address Space Medicine Needs on a Journey to Mars (Quality of the Design Idea)

**30** POINTS

**Design Usability:** Practical ability to address Space Medicine Needs on a Journey to Mars (Execution of the design idea)

**20** POINTS

**Communication:** Ability to explain your concept, supporting research, and/or design process

**20** POINTS

**3D Model:** Quality of the digital model and compliance with the DESIGN GUIDELINES

### Prizes

**GRAND PRIZE : Houston Trip & NASA JSC Tour**  
The winner in each age group will win a trip for to Houston ,TX (with a parent) and a tour of the NASA Johnson Space Center to learn about human space exploration, space medicine, & the Journey to Mars.

**SEMIFINALISTS: Mars Prize Pack**  
Ten Semifinalists in each age group will win a Mars Prize Pack

**FINALISTS: MakerBot Donation**  
Four finalists in each age group will win a MakerBot Replicator Mini+ 3D printer donated to their school, library, or education organization.

**FINALISTS: GiantMicrobes Plush Set**  
Four finalists in each age group will win a set of GiantMicrobes plush human cells and/or organs.

### Contest Tips & Info

It is **STRONGLY** advised that your 3D model is compliant with the Design Guidelines. Failure to follow the Design Guidelines will not disqualify your entry, but will result in lower scores by the judges.

If you are in consideration as a semifinalist, Future Engineers will contact you or your parent directly to verify your eligibility.

Your 3D model will be made available for public use and download once the competition closes. All 3D model submissions will be licensed publicly as "Attribution-NonCommercial-ShareAlike" per the Creative Commons licensing standards. No exceptions.

If you are selected as a Finalist, you will be required to participate in an online, recorded video interview with the Finalist Judging Panel.



**CONTACT: email: [info@futureengineers.org](mailto:info@futureengineers.org)/ web: [www.futureengineers.org](http://www.futureengineers.org)**