

ACTION CONTRAPTION CHALLENGE RULES

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The Challenge:

Use your engineering skills to create an Action Contraption machine that wows the judges! If you are a K-12 student in the United States, your challenge is to build a machine that can produce a chain reaction using found items such as dominos, paper towel rolls, straws, marbles, and/or much more! Your machine must begin and end with a domino (store-bought or homemade) falling and should include at least two simple machines, such as an inclined plane or pulley system (see the EDUCATION section on the challenge page to learn more). To enter, submit a video of your machine, a short design description, title, and a thumbnail image. Your submission will be judged without sound, so be sure to focus on the visual elements of your action contraption.

Individual or team entries (up to 4 members) are allowed and will be judged in three grade-level categories: K-5, 6-8, and 9-12. Please do not include faces, names, or voices in your entry, and remember to review the [CHALLENGE RULES](#) and [DESIGN GUIDELINES](#) for all challenge details. Get creative and start engineering!

Who Can Enter

Legal residents of the United States who are registered students in 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") are not eligible to enter or win a prize.

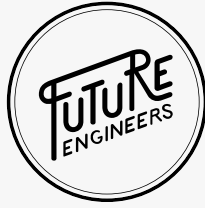
Privacy Rules

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 or show your full name, or anyone else's full name in your entry (text, title, video or image). Factually referencing significant figures (e.g., a scientist, artist, or engineer) is OK in your essay.
- NO SCHOOL NAMES! Don't submit your school name in your submission.
- 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 MUSIC OR AUDIO TRACKS! We don't need a fancy video, just documentation of your awesome design!
- NO FACES OR VOICES! Don't include the face, voice, or anyone else's face or voice in your video. If in doubt, please remove sound from your video before submission.
- NO USERNAMES! Don't submit a username from any site or platform.



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Safety

Do not use any materials that are considered hazardous (e.g., including but not limited to fire, knives, etc.). All submission builds should be done with the oversight of a parent or teacher.

Submission Criteria

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

- Your Submission Must Include:
 - Video demonstration of your action contraption
 - Max 200 MB (We recommend 30 seconds or less, but that is a guideline, not a rule.)
 - File Formats: MP4, MOV or WMV
 - VIDEO thumbnail image
 - Max 3MB
 - File Formats: GIF, JPG/JPEG, PNG, or BMP
 - TITLE/NAME of your ENTRY
 - Max 30 Characters
 - TEXT DESCRIPTION explaining your design
 - Max 150 Words
- ONE eligible entry per team – teams can consist of 1-4 team members. All team members must be from the same grade category. You may edit your submitted entry, but your last version of the submitted entry before the deadline will be judged.
- Your entry must be made by YOU or YOU and your teammates.
- Keep it G-rated! No inappropriate content (as determined by Sponsor in its sole discretion).
- Your entry must not contain URLs that link to external sites, files, or videos such as Google Docs or YouTube.
- Do not upload content that infringes on the rights of others. Referencing common trade names **factually** in your description is OK.

Judging Criteria

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



50 POINTS

Creativity of your design

25 POINTS

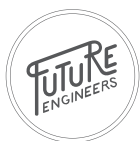
Clarity of your design description

25 POINTS

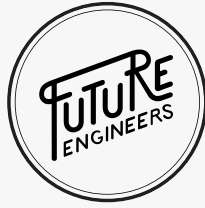
Complexity of your design

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 of your design' category.



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Program Dates

All entries must be received by: JANUARY 20, 2023, 8:59 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:



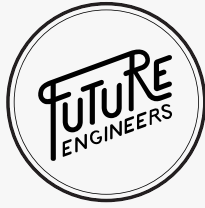
Prizes

There are three grade categories Grades K-5, Grade 6-8 and Grades 9-12 (each a "Grade Category"). Students will compete in their applicable Grade Category and entries in each Grade Category will be judged accordingly. As determined by the highest scores received, based on the Judging Criteria described above, there will be selected from each Grade Category: four (4) national finalists ("Finalists"); and one (1) national Grand Prize winner. The following prizes are available to be awarded, subject to eligibility and compliance, as determined by Sponsor and Future Engineers in their absolute discretion:

Future Engineers reserves the right to (i) select fewer Finalists and/or Grand Prize winner (if there are insufficient eligible entries received) or (ii) to select more Finalists, and/or Grand Prize winners, or (iii) to award additional prizes, 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 Challenge Parties into public disrepute, scandal or contempt. If a Finalist and/or Grand Prize winner is disqualified for any reason, Future Engineers may award the prize to an alternate even if the disqualified person has already been notified or announced.



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Finalist and Grand Prizes



FINALIST PRIZE (4 per Grade Category/12 total): A Future Engineers T-shirt per student finalist (ARV: \$15) and one Engineering Prize Pack per team (teams can consist of 1-4 team members). (ARV: \$40)



GRAND PRIZE (1 per Grade Category/3 total): A \$200 Amazon gift card per team (teams can consist of 1-4 team members). (ARV: \$200)

Potential Finalist Notification

The potential Finalists' 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, Publicity Release and a Waiver Agreement ("Winner Release Documents"). Guest of grand prize winner will also be required to sign a Release of Liability and Publicity Release.

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 two (2) separate unsuccessful 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 Finalist or their entry is found to be ineligible, the potential Finalist may be disqualified. The next highest scoring entry (for the applicable prize level and Grade Category) may be selected as an alternate and notified, time permitting.

Ownership and Public Licensing

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

Sponsor and Challenge Parties:

Sponsor:

Future Engineers LLC 177 E. Colorado Blvd Suite 200, Pasadena, CA 91105

GOOD LUCK!



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