STEM CONTESTS

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Engineering a better world

Join 4-H to compete at https://4h.zsuite.org. Then register HERE by October 13th!

Solo Cup Towers
Lego Life
Room Designer
Marshmallow Catapults

Schedule:
5-6:30PM Lego Contest,
Room designer contest,
Enter Catapults
6:30PM Catapults Launched
7-7:30PM Cup tower Contest
8PM Awards
Divisions (age as of 1/1/02):
Cloverbud 5-7    Junior 8-10    Intermediate 11-13    Senior 14-18

SOLO Cup Tower
Create a tower using nothing but plastic cups... Use a max of 50 plastic cups to make a towering structure. No tape, glue, or adhesive material allowed. Cups may be cut and fitted together. Cups can be pre-cut but construction must occur at the event. Bring all your materials and practice your design at home first!

LEGO Life
Use your own LEGOes to build a house, neighborhood, or machine. Build at home and bring your creation to the contest. Present your LEGO creation to spectators and judges. Use small labels to point out particularly interesting parts of your structures. Max footprint of 10” x 10” (1 standard LEGO base plate). Additional category for LEGO constructions made from LEGO kits.

Room Designer
Design a room of max size 20ft x 20ft. Build anything from a wild treehouse bedroom to a living room, garage, or barn. Or design multiple rooms in the 20ft x 20ft space. Make a presentation board like designers use on a standard foam core board to set on an easel. See samples for layout ideas. The board should be created at home and will be displayed and judged at the event. Provide a short written description.

Marshmallow Catapults
Use elastics, wood pieces, pencils and other materials to launch mini marshmallows! Build your catapult at home. We will have a 30-minute time period for setup/last-minute fixes. Marshmallows will be provided.

Prizes for each contest include best architectural design, most creative, fan favorite, etc.

Need Help? Our [YouTube channel](https://www.youtube.com) has examples of these projects.
Room Designer Contest

Presentation boards should have a floor plan or drawing of the room. They can be hand drawn or computer drawn and should show colors or color scheme options and furniture options. Use labels to make your ideas clear. Try to use scale and measurements to see how items will actually fit in the room. You can stick items from magazines, photos, paint samples, cloth, etc. to the board.

Learn more about design and project boards with this amazing 4-H resource: https://www.gov.mb.ca/agriculture/industry-leadership/4h/pubs/discover-crafts-my-space-memberleader.pdf
Marshmallow Catapult

Check out these resources to help you build your custom creation:

https://4-h.org/about/4-h-at-home/marshmallow-catapult/
https://www.youtube.com/watch?v=mTsatzQ0ICuY
https://www.youtube.com/watch?v=fm3m2oddpzw
https://www.facebook.com/watch/?v=10150909753384943

Plastic Cup Tower