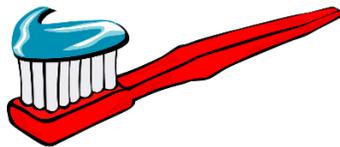


## Have you heard of the Rube Goldberg Challenge?

A Rube Goldberg (RG) project is to encourage critical thinking, creativity, innovation and problem solving in a non-traditional learning event and to have fun in the process. An RG project is an overly complex contraption that does a simple task. An RG uses everyday items in a series of chain-reaction steps that accomplish a task. Rube Goldberg allows teams to use physics, engineering, humor and storytelling.

**This year at the Ransom County Fair we are going to have a Rube Goldberg Challenge. The challenge will take place on Sunday, August 26<sup>th</sup> during the Ransom County Fair in the West Wing of the Expo Center. The challenge will get under way at 11:00 a.m.**

This year's challenge will be for teams to create a contraption that will squeeze toothpaste out of a tube onto a toothbrush. There must be a minimum of 10 different steps that are completed before the task is complete.



Teams can have from three to six youth and each team needs at least one advisor/ coach. There will be three different age divisions this year. Youth that have completed 3<sup>rd</sup> through 12<sup>th</sup> grade by the end of the 2017-2018 school year will be split into two age groups. Juniors will be 8 years to 12 years and seniors will be 13 years to 18 years as of September 1, 2017. The third division will be the adult division for those who have completed the 12<sup>th</sup> grade prior to the 2017-2018 school year. **Teams will need to register with the Ransom County Extension Office by Friday, August 10, 2018.** Registrations will need to provide a full team roster that includes names, age and grade in school as well as the advisor name and contact information.

The maximum size of your RG project must not exceed 6 feet x 6 feet x 6 feet. For a complete list of rules and guidelines you can visit the Ransom County Extension website: <https://www.ag.ndsu.edu/ransomcountyextension> to get the full list of rules. Your team will need to keep records of your meetings and designs that worked or did not work. You will need to explain each of the steps in your project. Prior to demonstrating your project, you will need to determine a spokesperson for your team that will explain to the audience and judges the theme of your project how you came up with the concept and the steps in the process. The judges may ask the full team a few questions before getting started. After your demonstration your team will have a maximum of 20 minutes to reconstruct your project.

A score sheet of what the judges will be judging is located in the complete set of rules.

## Let the Rube Goldberg Challenge Begin!!

