

February 2019



'Here, piggy!'

Students automate coin banking



2019 Rube Goldberg Machine Contest »

What do we do with our spare dimes, nickels, quarters and pennies? We put them in a piggy bank, of course! What if you could “auto-mate” that process?

And make it as crazy-fun as possible???

That was the challenge six teams of young people from elementary to high school ages in this year’s Utah Region Rube Goldberg Machines competition. The Utah Air Force Association and Weber State University’s Engineering, Applied Science Technology hosted the event where the teams showed off their piggy bank filling creations at



Above» Quest Academy is one of two schools that will represent Utah in the Rube Goldberg Finals for the high school division in Lawrenceburg, IN, on April 6, 2019.



Right» NUAMES is the second of two Utah high schools bound for the Rube Goldberg Finals in Lawrenceburg, IN, this year.

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Weber State University's Shepherd Union last month.

Teams from NUAMES, Quest Academy, Capstone Classical Academy, New Bridge Elementary, and Odyssey Elementary competed in one of three age divisions; ages 8 to 11 (elementary), 11 to 14 (middle school), and 14 to 18 (high school), for the distinction of designing the best machine. Plus the middle and high school teams vied for entry to the Rube Goldberg national finals competition in Lawrenceburg, IN, on April 6, 2019. Volunteers from Hill AFB and Secturion Systems served as judges and referees to inspect and evaluated each team and machine.

Referees ensured machines met the design requirements and filled the piggy bank properly for 40% of their score; while, the judges focused on teamwork, ingenuity and whimsical aspects for the other 60% of the score. "This competition saw the most machines complete the task" said Jim Aadland, event host. An elementary teacher stated, 'It is good to see the young students observe the other machines and ask why they operate that way.'

NUAMES will represent Utah in the Finals for the high school division in Lawrenceburg, along with the Quest Academy in the division for middle school.



New Bridge Elementary School's team took the trophies for Rube Goldberg Spirit of Hilarious Invention and Helping Hand Teamwork.

"This competition saw the most machines complete the task."

— JIM AADLAND
2019 EVENT HOST

The New Bridge Elementary team took the trophies for Rube Goldberg Spirit of Hilarious Invention and Helping Hand Teamwork, with the Odyssey Elementary team taking the Professor Butts' Creative Spark Award.

This competition would not have been possible without the support of host organizations Utah Air Force Association Aerospace Education Foundation and the Weber State University's Center for Technology Outreach, as well as sponsors Utah STEM Action Center, Hill AFB STEM Program, and Secturion Systems.



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