

Villa Science Students Demonstrate Rube Goldberg Machines

As part of the Villa's junior high science curriculum, 8th graders demonstrated their knowledge of simple and compound machines through the Rube Goldberg project. A Rube Goldberg is an apparatus that completes a simple task using a variety of steps involving simple and compound machines. Usually these machines are made from everyday materials found around the house.

Project requirements included having at least 3 different types of simple machines with 10 steps involved in completing the machine's "task" – popping a balloon, watering a plant – and maximum machine dimensions of 2ft wide x 2ft long x 4ft tall.

The 8th graders demonstrated their apparatus for Junior High Science teacher Ms. Ashley Boiano who commented, "This project was intended to challenge the 8th graders to apply their knowledge of simple and complex machines, physics, and problem solving." Villa students in other grades enjoyed the Rube Goldberg demonstrations and were impressed with the 8th graders' creativity and resourcefulness.



Photo caption: Jared Hochwalt explains and demonstrates his Rube Goldberg project to Villa 5th graders.

St. Ursula Villa is a coeducational, independent Catholic school located in Mt. Lookout, educating students in preschool through 8th grade.

