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Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.

Mission: Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

Inventions

Rube Goldberg was a cartoonist, sculptor, author, engineer & inventor, who was famous for his complicated inventions to do a simple task, like scratching a back or turning off an alarm clock in 20 or more steps! Today you can use Legos or blocks or recycling materials to create an invention using simple machines to do a task. You can also just draw your invention, if you want. Simple machines include levers, pulleys, wheel and axle, wedges, screws and inclined planes. A simple machine is a tool that makes work easier. It does not make less work. Two or more simple machines is called a compound machine. You can use Legos or blocks or recycling materials or a combination, like I did, to build your own compound machine or Rube Goldberg device. My invention uses simple machines to move a marble to the target. Mine starts with a pulley that raises a block to tip a basket with a marble in it, allowing the marble to roll down the ramps or inclined planes and into the target nest that I made! Have fun. Send me a picture of your invention, if you want. Pick up, when you are done!



1 Gather supplies



2 Cut tabs & tape to secure



3 A pulley raises a block to tip basket with marble



Paper tubes make great inclined planes or ramps to direct marble into target nest. Marble moved over 3 feet without being touched!

