Construction Log

Day 1

Got materials

Added wood to the back of plywood for support

Decide where to put the steps

Day 2

 Added wood for step 1

Bent a tube around S1 wood for marble

Drilled a screw into S1 wood to support tube

Drilled the tube to the plywood

Added piece of wood to end of tube to support S2 weight

Day 3

Added metal to S2 wood to guide marble

Added wood at the top of plywood for step 2

Put screw in S2 wood to act as a swing (S2)

Put S2 weight on the swing

Day 4

Added a piece of wood for step 3

Put a pulley on the right side for step 4

Put step 4 weight on step S3 wood

Replaced S2 screw swing with pulley, that ats as a swing

Put wedge on S3 wood to transfer energy for S2 weight to S3-2 wood to S4 weight

Day 5

Lowered S3 and S3-2 wood

Put string around nail for S4 pulley

Build ramp for S5

Added supports for ramp

Added platform at the end of ramp

Drilled hole in ramp for the nail

Day 6

Added weights to truck for S5

Added tubes to the sides of the ramp to guide car

Put nail in hole to hold the truck in place

Added S6 pulley to S2 wood

Day 7

Put 500g weight on ramp platform

Connected weight to pulley

Made water jug platform

 Added lever to water jug platform

Put water jug on lever

Connected water jug to pulley

Day 8

Made waterway for water from the jug

Put a tub under the waterway

Connected water wheel to axle and put it at the end of the waterway

Day 9

 Changed water wheel and axle so there’s less friction

 Drilled hole water wheel and put a string through it

 Screwed two pieces of wood together, drilled them to plywood

Attached pulley to wood

Attached the string from the water wheel to a weight on the wood

Day 10

Attached a nail to the same string as the weight

Made wooden axe

Made tree

Put a rubber band that’s connected to the nai and the axe

Add the a more flat surface to plywood for the tree

Made adjustments