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## The Six Phonixes

**Chemical step: done**

**Hydropower: done**

**Mechanical: done**

**Electrical: done**

11/15-20 step

Things to bring in

Small weights

Ping pong ball

Wheel turned by volcano

Spare rags

Spare wood

Marbles

4 Hot wheels cars

Tracks

Water wheel

Water stream

Baking soda

vinegar

Water cup

Baseball 2

Electrical switch

Light bulb

1. Start with pendulum hits a car

2. Car hits a second pendulum

3. pendulum hits a car

4. Car starts marbles

5. Marbles run down a pvc pipe into the pendulum

6. Pendulum starts a golf ball

7. Golf ball starts a baseball while marbles continue on and start mousetrap car

8. Mouse trap car pulls a pulley

9.

Baking soda and vinegar volcano spins a wheel (to simulate "geothermal power")

10. Wheel starts a carew
11. Car knocks into baseball to get it moving
12. BaseBall knocks over a container of water to send it running
13. Water runs into Water wheel that pushes car forward
14. Hot Wheels car flips a switch
15. End with light bulb

**KEY:**

We have at school

We may have at school

We do not have at school

**Or just look at the list of things to bring in**

Sep 13, 2021



We finished off our list of steps and figured out where we were putting our wall.

**sep,15,2021**



Today we got the wall put on then we got the base of our pendulum set and we got the ramp for the second step built

**September 20 2021**



Today we set up the pendulum and got the ramp for the second step on the wall. We also did some testing for the first step

Sep 29, 2021



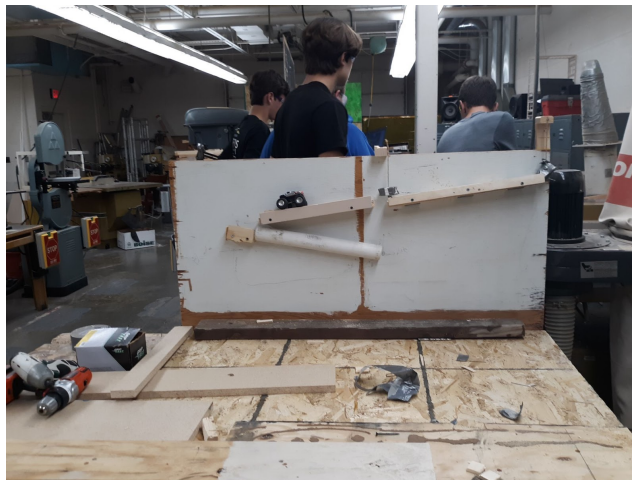
Today we did more testing for our first step. We also drew and planned out where the next few steps are going to go. We started to get the ramp ready for the next step.





Oct 1 2021

We put in a board that allows our hot wheel to knock over a board to knock down the marbles.



Oct 4, 2021

we now added the pipe onto the project to allow us to hit the marbles down into it

october 6th 2021

We had to readjust somethings to work smoothly



october 7th 2021

Today we added another step so the marbles hit the block of wood to transfer the energy to another golf ball



october 8th

Today we had tested all of our steps so then we can continue on adding more steps in the



project

11-12 october 2021



roll into are next step

So we had added the board that will allow are baseball to



12-13 october 2021

This day we worked on adding another wall so we can have an elevator up to are next step

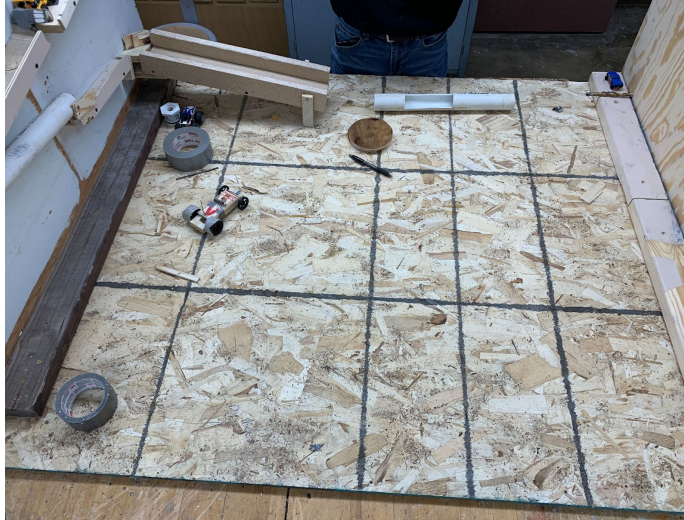
14-18 october 2021

We had cleaned up our progress and we had to make room for different parts.

The reason why it is the 14-18 is that we had supply problems but we will get them in







October 25th 2021

We cut open part of the pvc pipe



October 26th 2021

We have prepared the pipe to attach it to the project



October 27th 2021

We have did nothing much we just tidied up the project a bit



28th october 2021

We had to prepare a part of wood to put on are water wheel



The 29th october 2021

We added on the water wheel.



Nov 1, 2021  
parts for the project

Today we just made

Nov 2-3th 2021

We are fixing the place holder for the wheel which will let a car loose to hit



a ball to transfer energy





Nov 4th-5th 2021

We have now added the string wheel



Nov 8th-10th

We added a little green tube which will help our ball hit the String wheel to move the wood piece that is holding back the car

11th-12th november 2021



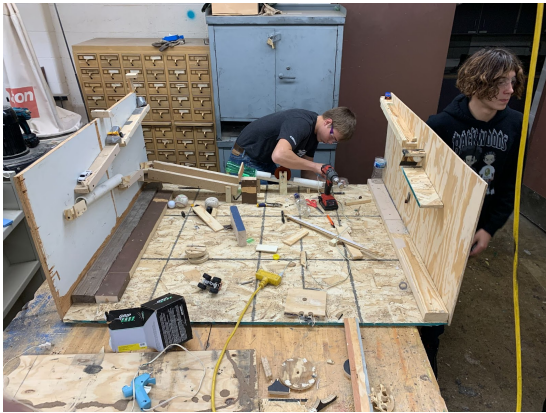
we had to redesign some of the things with the string wheel



November 15-16 we added a little lip on the left



November 17th 2021 a piece wasn't working so spent the day fixing it.



November 18-19th 2021 we made some more contrampshions to help with the project.



23 of november / we are starting to add are little flippers that will pull down the gate to allow are car to move.;

29-30 of november we have added more flippers to the project.



December 1st





We finished putting on the paddles to bring down the gate on the right.

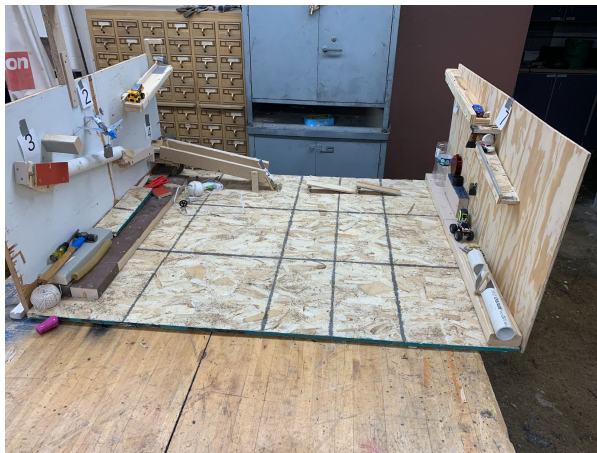


December 7, 2021-20-2021

We had started making designs for a mousetrap car



We have started the pipe to have water flow down.



December 21st of 2021 Last one of 2021 we worked on polishing some things before christmas break and the new year.



We have added the pillars holding the water tube in place  
January 4th 2022



January 10th 2022  
We started the Mousetrap car. It is designed to pull down a string to start a chemical reaction step.





Jan 11, 2022

We finished a version of the mouse car and almost finished the second version we have made.



Jan11-31

We finished testing the first half of our project and our about to start the second half



February1  
we are starting the final steps to the project.



February2 we added the post which is going to be the central point for the end.



February 7



February 9th 2022



February 10th 2022



February 11th 2022





February 14th-15th 2022



Feb 16, 2022



Febuaray 21 2022



February 22nd 2022



February 23-24th 2022



February 25th 2022



March 14th 2022



March 15th 2022



March 16th 2022