

# CHAIN REACTION CONTRAPTION

"Imagination is more important than knowledge" Albert Einstein

## EXAMPLE CHILD'S PROJECT

**April 2020**

**Eric (age 10) : my son**

**Zombie Apocalypse Home School (Blackheath)**

We kept the machine to a large tabletop.

I made a machine the previous week on a similar scale.

Eric had been working on school projects based around the Blue Planet TV show  
He decide his end problem was to return Seymour the Clownfish to water

We folowed my HOW TO steps.

I prompted and guided Eric but tried to let him lead.

We looked at The SIMPLE MACHINES description and talked about what objects  
used them.

We filmed Eric explaining the machine, setting it off and the machine working, it took  
a few attempts.

The next day we talked about the process, he did a drawing of his machine and he  
wrote a reflection, using THE REFLECTION QUESTIONS as prompts.



**below is Eric's reflection**

Eric Hicks 3.4.20

## Tabletop Chain Reaction Machine – How to return a lost clownfish (Seymour)

### Reflection

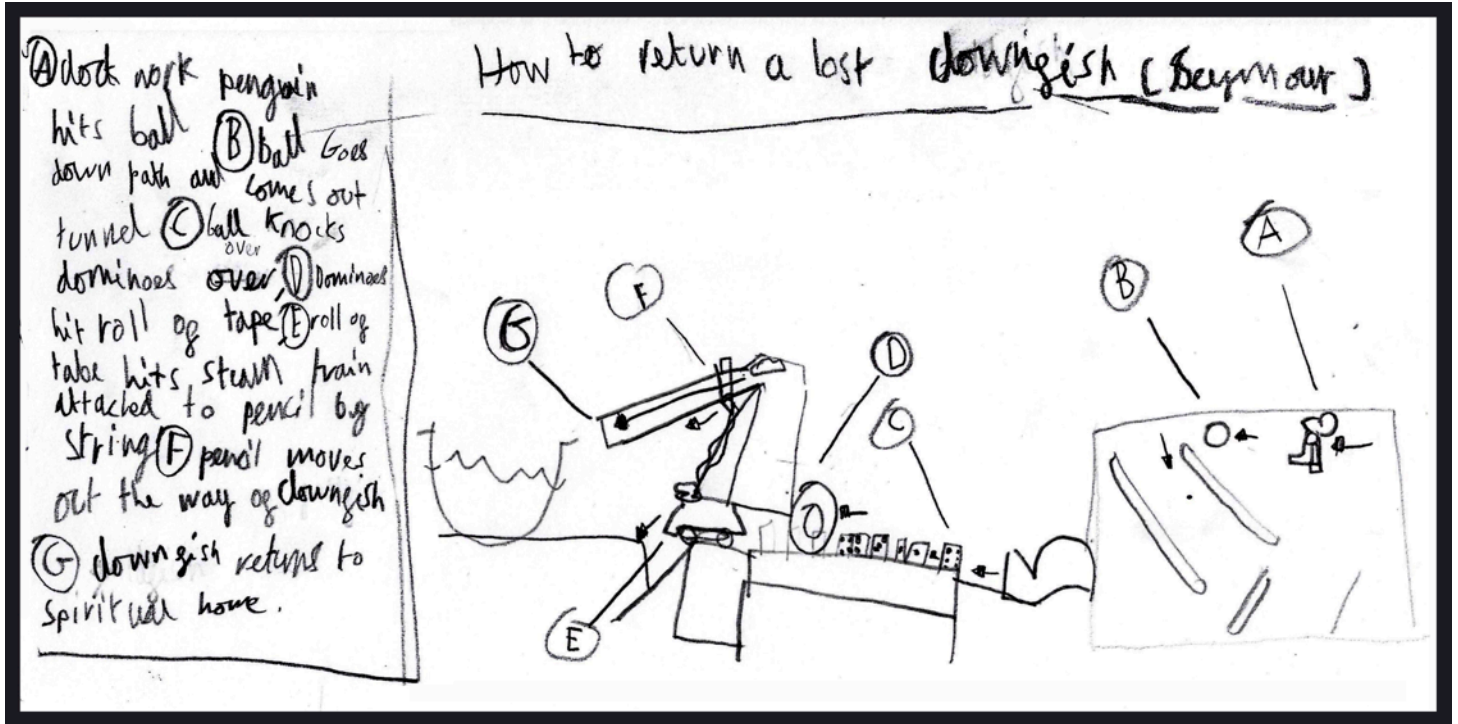
- We looked at rube goldbergs designs for inspiration
- We watched a few youtube videos on chain reaction machines and I have seen TV shows like Wallace and Gromit and Morph and my dads shows live
- The six simple elements of a chain reaction machine: lever, wedge, wheel and axle, screw, pulley and inclined plane
- The elements I used were lever (some dominoes), wheel and axle (Brian the Penguin) and an inclined slope (a book).
- I got the items from my toybox and some book shelves and the kitchen
- Tape and blue tac held them together
- We built the machine from end to start and we did that because it's easier
- My favourite bit about making the machine was the end because it looked really nice when I finished
- I put my video of the machine on facebook and google classroom

<https://www.facebook.com/jon.hicks.3766/videos/10158451579083760/>

After 2 hours I have 76 views



Tabletop Chain Reaction Machine – How to return a lost clownfish (Seymour)



You can find a video of Eric's Contraption here:

<https://www.youtube.com/watch?v=Nmg4WUnSavU>