

Initial Design Build

Concept 1 way chosen from last weeks designs to try and build a working model using basic materials. No actual actuation identified how load on springs putting something together.

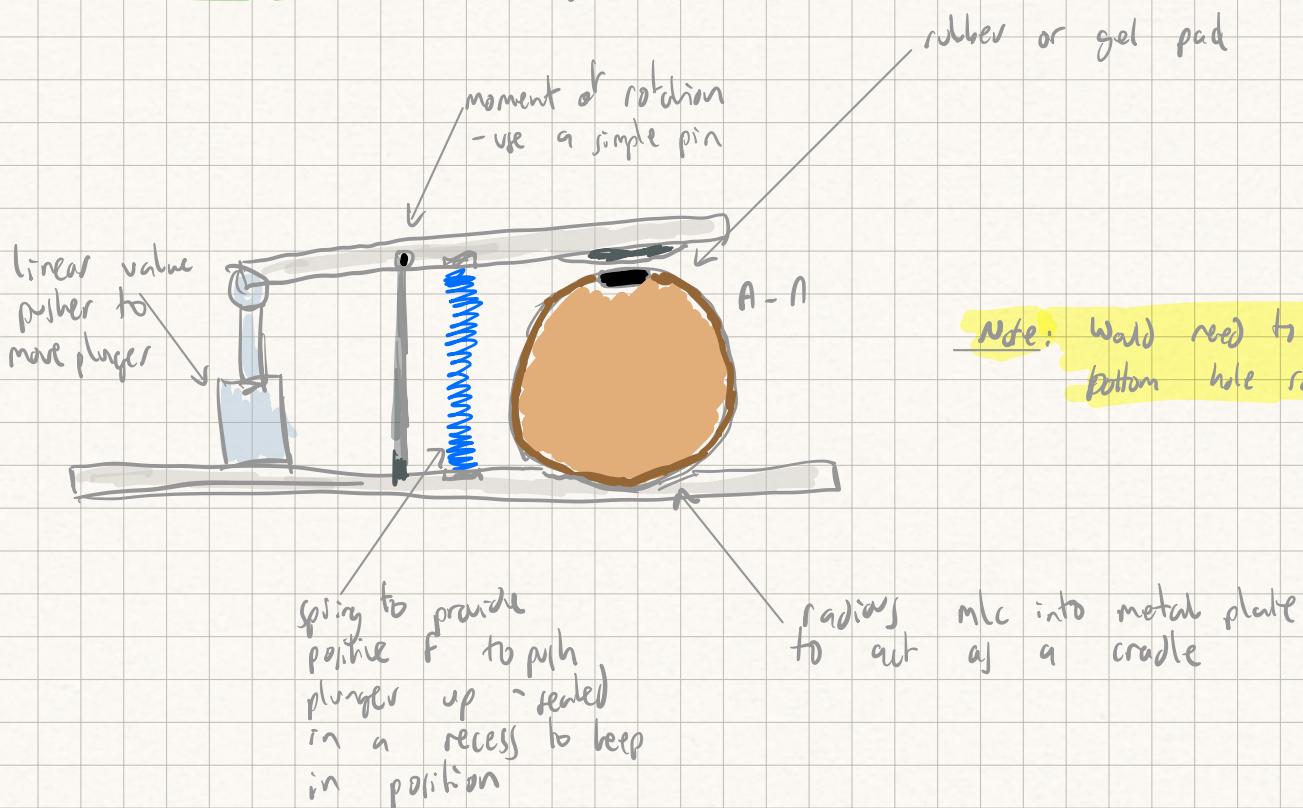
IDEA 1 - Pin mounted lever plungerPhotos of sample build - model A

Photo of Team working with sample build

The team here are trying to use the levers to play a tree when using an air blower hooked up to a 9V battery to create a constant flow of air.



Results found

- The levers were very loose and tolerances need to be very tight
- The plungers did not cover the holes very well and a soft material would be needed - perhaps a clear domed shape
- The arrangement of the levers meant that it was very busy on the board and the space taken for actuation was circumscribed.
- We could not remove the recorder very easily
- Gaining access to the main piece once the recorder was in place was tricky
- No access to the bottom hole
- The artefact lays flat on its back so is not good when presenting