



A Challenge from Sid

Sid has designed something.



The Automatic Chicken Feeding Machine!

1. One or more hens lay eggs



2. The Inclined plane will let the egg roll down onto the lever

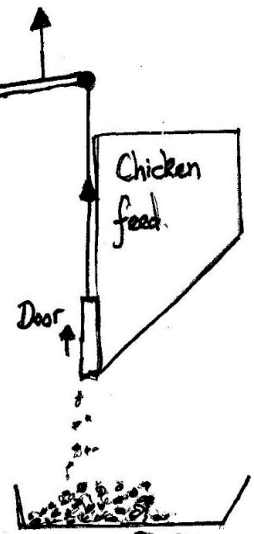
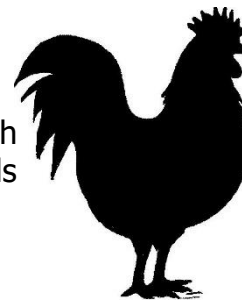
3. The lever will go down this side because of the weight of the egg.

4. The egg rolls into the basket for the farmers' breakfast.



5. When the egg lands on the lever, the other side of the lever will go up.

6. As the lever goes up, it lifts the arm, which opens the chicken feed flap for a few seconds so Sid can get his feed! Clever Sid!



Your Task:

Can you design and draw a machine which uses the simple machines to do a job?

A Victorian gentleman called **Heath Robinson** came up with lots of good and very funny ideas. Look for him on the internet and he might give you some ideas for your own machine. Wallace and Gromit also have some funny designs.