



I know ...

... a Roly Poly is a type of push along toy.

... a **force** is needed to make it move.

... a **force** is a **push** or a **pull** of an object that causes the object to speed up, slow down, or stay in one place. It is what causes an object to move.

... a roly poly can be made so that it move along in different ways.

... the position of the wheels can affect how the Roly Poly toys move.

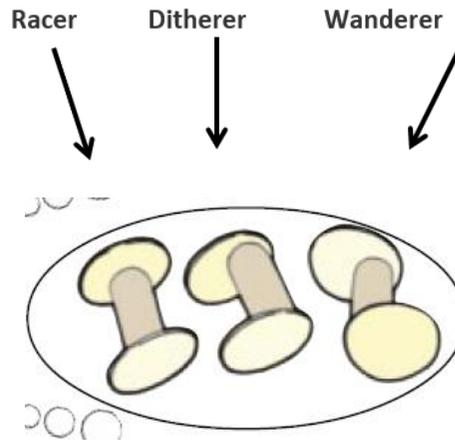
... they can be made out of many different materials.

... that tubes can be joined to other surfaces in three different ways:  
Using a feather cut, directly gluing the edge of the tube and using a bracket to attach the tube.

... there are three types of Roly Poly toys. Racer, wanderer and ditherer.

... they can be made so that they move along in different ways.

... the position of the wheels can affect how the Roly Poly toys move.



### Designing Vocabulary

**Check list:** a list of what the roly poly must do.

**Design:** sketch, model, or plan of something to be made

**Evaluate:** judge a product against a list of things it must have or do.

**Label** - make notes on a diagram or design.

**Plan:** a decision about what you are going to do or how you are going to make something.

**Resources:** items needed to make a product

### Making Vocabulary

**Adjust:** change something to make it work better.

**Measure:** use a ruler to make sure it is the right size or distance from something.

### Technical Vocabulary

**Ditherer:** roly polys with circular wheels mounted offset so they roll in a straight path, moving up and down as they travel.

**Off centre:** not quite in the centre of something.

**Offset:** the amount or distance by which something is out of line.

**Path:** the way an object moves.

**Static:** not able to move.

**Racer:** roly polys with circular wheels mounted centrally so they roll evenly, in a straight path.

**Wanderer:** roly polys with circular wheels mounted offset so they roll in a zigzag path, moving up and down as they travel.

**Zigzag:** a line or course having sharp right and left turns one after the other.