

## Phenakistoscope -Make a mini movie

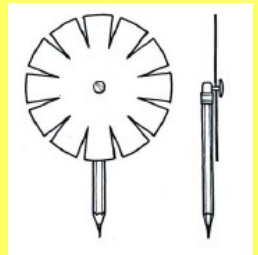


### What do you need?

- Copy of the template (overleaf)
- Scissors
- Marker
- Thumbtack
- Mirror
- Pencil with a rubber



1. Copy the template on the reverse of this hand-out and cut out the **Phenakistoscope**
2. Draw a picture in one of the sections
3. In the next section draw a picture that is similar to the first one but change one part of it (e.g. draw a figure, in the next one show it waving)
4. Draw a picture in the centre of each section but make each picture different to the one before
5. Put a thumbtack through the centre hole and into the rubber of a pencil
6. Stand in front of a mirror. Hold the pencil with the pictures facing the mirror. Spin the disk and look through the top slits



What do you see??



### How it Works?

When you spin the phenakistoscope

the pictures move so quickly that your eyes and brain cannot see them separately. Your brain holds on to each picture for a fraction of a second. If you spin them fast enough they blend into each other, giving the impression of movement. Movies work in the same way.

