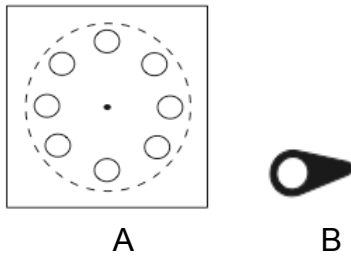


## TELESCOPE ANIMATIONS

### Materials

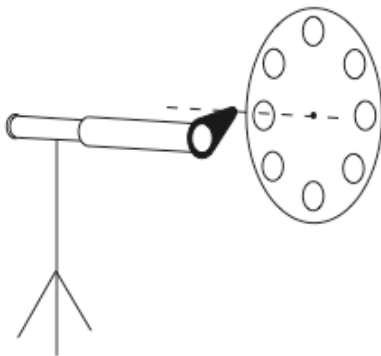
Cardboard tubes  
Card  
Cardboard  
Glue  
Scissors  
Balsa wood dowel  
Paper fasteners  
OHP pens  
Coloured acetate

### Preparation



- Shape A is cut out of stiff card so that you are left with a square piece of card with eight circular holes cut within in it.
- Shape B is cut of cardboard so that the inner circle is the same size as the holes in shape A.

### Making the Telescope



- Two cardboard tubes are fitted together to form the body of the telescope.
- Piece B is fixed to the front of the telescope
- Piece A is cut along the dotted line (in the shape of a large circle) and fixed to the telescope using a paper fastener.
- Piece A should now rotate freely. The holes in shape A should match the hole in the telescope as it rotates

**Making animation**

- Using acetate sheets and materials provided students should now create a series of drawings to fit within the 8 holes in shape A.
- The drawings should include an image of their fort and should be sequential in character so that a short animation can be seen through the telescope as shape A is rotated.

**Making a stand for telescope**

- Once the telescope and animation have been completed a stand should be made for the telescope using balsa wood or cardboard.