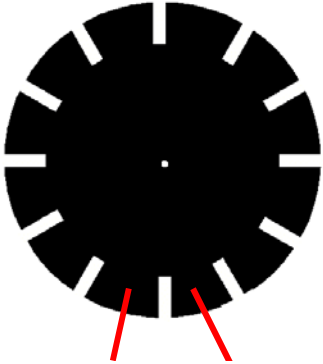



ACTIVITY 2	MAKING A PHENAKISTOSCOPE
LEARNING OBJECTIVES	Understand how to construct an early Victorian optical toy and produce moving images using the device
QCA schemes of work Art and design –Unit 8b: <i>Animating Art</i> D & T –Unit 07bii <i>Designing and making for yourself, Focus: resistant materials</i> Citizenship – Unit 9: <i>The significance of the media in society</i>	NATIONAL CURRICULUM LINKS Art and design- <i>Investigating & making art, craft & design –2a, b</i> D & T – <i>Working with tools, equipment, materials and components to produce quality products- 2c</i>
SUCCESS CRITERIA	A child is able to explain something about how the eye sees the separate images merge as one moving image ‘persistence of vision’
METHOD/PROCESS  	To make the disc <ul style="list-style-type: none"> • Use a compass to draw a circle 20cm in diameter onto black card. • Cut out the circle and mark around the edge of the disc 12 equally spaced slits.(Like numbers on a clock) Each slit should measure approx. 4cms in length • Cut out these slits. • Pierce a hole in the centre of the disc the size of a pencil top. To make the images <ul style="list-style-type: none"> • On a piece of white paper draw 12 squares each square needs to be big enough to fit between each of the slits on the disc you have made. • On each square draw a picture, each picture should be slightly different from the one before • Try to make picture 1st and 12th picture on the disc similar and the 6th picture the extreme of the movement. <p>e.g. Picture 1 shows a clown with a small red nose. Picture 12 shows the same clown with a similar size nose, picture 6 will show the clown with a huge nose! All the pictures in between 1 and 6 will show the clown’s nose growing bigger picture by picture; with pictures 7 to 12 show the nose getting progressively smaller.</p> <ul style="list-style-type: none"> • Cut the squares out so they can be glued on to the disc, one between each slit near the edge. Remember keep them in order. To view the animation <ul style="list-style-type: none"> • Place a pencil through the hole made in the centre of the disc. This allows the disc to be spun. • Face a mirror with the pictures on the disc facing away from you Spin the disc while looking through the slits into the mirror you will see your pictures moving in the reflected image.
NOTES	Try using blue tac to stick images to the disc so the disc can be reused with different images.
RESOURCES	Black Card A4 size Ruler Compass Glue Scissors White paper A4 size Pencil