



'TEACHER RESOURCES' LESSON PLAN NO 10

TWIRLING THAUMATROPE

SUITABLE FOR:

7 to 12yrs

RATING:

Easy **Moderate** Hard

LEARNING OUTCOMES:

Play, investigative learning about eyesight.

TIME:

1 session



WHAT YOU WILL NEED:

EC Paints

EC Matt Squares

Thick card

String

Scissors

Hole punch



METHOD:

Cut a circle about 6cm in diameter from the card.

Glue a matt square to either side.

Paint or draw a picture on either side of the circle. The drawing should show two images that can be overlaid to be one, eg. A chicken in an egg, chicken on one side, egg on the other. The image should be upside down on one side.

Punch holes on the side, directly opposite each other.

Tie a string through each hole.

Twist and pull the string so the circle spins. You will see the two images superimposed to be one.

HISTORY:

This is a very old type of toy called a thaumatrope. It works on the application of the principle of persistence of vision. An image is retained by the eye momentarily after the image has been removed. The application of this principle eventually led to the development of movies and animations.