



# Stop Motion – Lesson I

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

## All about Animation

“Animation is an optical trick that relies on the fact that our eye/brain connection can only do so much. If you were watching an ordinary slide show, and then dialed up the speed until the pictures were running fast enough, they would start to blur together. Call it the brain’s speed limit. Somewhere around 10 fps (frames per second) the gaps between the pictures disappear and the picture starts to “move” (making “movies”).” *The Klutz book of Animation*

### Part I

#### A Little Research

Look up these early types of animation and give a description of how each one is made and how it works:

**Thaumatrope** –

**Zoetrope**

**Phenakistoscopes**

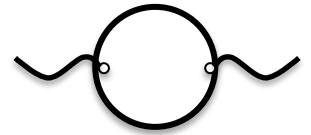
Name \_\_\_\_\_

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## Part II

### Make a Thaumatrope

1. Choose two designs that you plan to blend together in a thaumatrope.
2. Cut out two circles on card stock and draw each design on one of the circles.
3. Cut out a piece of cardboard the same size of the circle to put in between the two pieces of cardstock to strengthen it.
4. Write your name along the edge of your thaumatrope.
5. Poke in two holes on opposite sides of the thaumatrope and thread a piece of string/or a rubberband on each side.
6. Test your thaumatrope.
7. Film about 10-15 seconds of just your thaumatrope moving. We will be putting all the videos of the thaumatropes in a single movie.
8. Review the rubric and make sure you have completed all steps.
9. Upload your video to google drive and share it with me.
10. Turn your thaumatrope into the box.



Category	4	3	2	1
Work Time	Student used time well in class and focused attention on project	Used time pretty well. Stayed focused on the project most of the time.	Did the project but did not appear very interested. Focus was lost on several occasions.	Participation was minimal OR student was distracting to others.
Construction - Care Taken	Great care taken in construction process so that the object is neat, attractive and works accurately.	Construction was careful and accurate for the most part, but 1-2 details could have been refined for a more attractive product.	Construction accurately followed the plans, but 3-4 details could have been refined for a more attractive product.	Construction appears careless or haphazard. Many details need refinement for a strong or attractive product.
Originality	Design is original, creative, and is enhanced by the <u>thaumatrope</u>	Design is original and creative, and works well with <u>thaumatrope</u> .	Design is unoriginal and/or does not work well with <u>thaumatrope</u>	Design is incomplete or does not work with <u>thaumatrope</u>
Video	Video first shows each side of <u>thaumatrope</u> , then animation, video is steady and easy to view.	Video shows animation	Video is unsteady or does not show parts of the <u>thaumatrope</u> or <u>the</u> animation	Video is missing or incomplete

### Thaumatrope Rubric