



## ***HALLOWEEN MASK***

For your Halloween Project you will make a unique Halloween mask. An example of a mask will be shown to you in class.

**Materials:** Any materials you want to use to create your mask

**Objective:** Demonstrate your knowledge of vertical, horizontal, and rotational symmetry and of similar and congruent figures.

**Project Summary:** You will create a mask with at least one line of symmetry. There must be a *minimum* of three objects on the mask (ex. eyes, nose, and mouth). Include at least two objects on the mask that have a line of symmetry, different from the mask's line of symmetry (ex. circles for the eyes). Include one object that has  $90^\circ$  rotational symmetry and one object with  $180^\circ$  rotational symmetry and one object in which the degrees of rotational symmetry is not  $90^\circ$  or  $180^\circ$ . At least two objects that you use must be congruent and two objects must be similar. The masks must be made, not drawn. You may use any materials you have available to create your construction.

After you complete your mask, write two to three paragraphs describing where the lines of symmetry are, where the rotational symmetry can be found and the degrees of rotation used. Also, describe which objects are similar and which are congruent and explain why.



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

***Project Value:*** 100 points

***Project Due Date:***

***Grading:***

Handed in on time	10 pts.	_____
Contains line symmetry	10 pts.	_____
Contains at least three objects	10 pts.	_____
2 objects with line symmetry	10 pts.	_____
2 objects with rotational symmetry	10 pts.	_____
2 similar objects	10 pts.	_____
2 congruent objects	10 pts.	_____
Description paper	10 pts.	_____
Colorful	5 pts.	_____
Followed the directions	5 pts.	_____
Project complete	5 pts.	_____
Neatness and effort	5 pts.	_____
<b>TOTAL:</b>	100 pts.	_____