Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Geometry Period \_\_\_\_\_

Chapter 9: Transformations Project

**Use the following website to create a tessellation:**

<http://www.tessellations.org/methods-diy-papercut.shtml>

You may use any piece of paper **equal to or less than a 4 cm by 4 cm** square to create your tessellated figure. I recommend using an index card to begin with.

You must create your tessellation on a regular sized piece of paper (at least 8in by 11in) and it must be colored!

Grading Rubric:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **2 Points** | **1.5 Points** | **1 Points** | **0.5 Points** |
| **Tessellated Figure Made** | Not Possible | Not Possible | Tessellated Figure Made Correctly | Attempted |
| **Creative Drawing Created on Tessellated Figure** | Extremely Intricate and Unique Creative Drawing Created on Tessellated Figure | Intricate Creative Drawing Created on Tessellated Figure | Creative Drawing Created on Tessellated Figure | Attempted |
| **Tessellation Completed** | Tessellation Completed Correctly | Tessellation Completed | Tessellation Mostly Completed | Attempted |
| **Tessellation Colored** | Tessellation Fully Colored with Several Different Colors | Tessellation Fully Colored with at Least 2 Different Colors | Tessellation Colored | Attempted |
| **Creative Drawing Copied on Final Tessellation** | Creative Drawing Continued Throughout Entire Final Tessellation | Creative Drawing Continued Throughout Most of the Final Tessellation | Creative Drawing Continued Throughout At Least Half of the Final Tessellation | Attempted |

**Total Project Points: 9**

**Are you in for a challenge? Try a rotational tessellation instead!**

Watch the video on youtube at <http://www.youtube.com/watch?v=212XC1zfxXY&safe=active> . Follow his directions on how to make a rotational tessellation.