**Tessellation Webquest**

**Use the provided websites to answer the following questions. Type in your answers below and add pictures and URL’s (web addresses) when necessary.**

1. What is a tessellation?

<http://mathforum.org/sum95/suzanne/whattess.html>

1. What is another name for tessellations?

<http://mathforum.org/sum95/suzanne/whattess.html>

1. What are three rules for creating a tessellation?

<http://www.coolmath4kids.com/tesspag1.html>

1. What 3 polygons can tessellate?

<http://www.mathsisfun.com/geometry/tessellation.html>

1. Who is considered the creator of tessellations?

<http://warrensburg.k12.mo.us/math/tesselat/kalie.html>

1. What was one of his first creations? Can you see all 8?

<http://www.nga.gov/content/ngaweb/Collection/art-object-page.54082.html>

1. Check out some pieces of work. Which one was your favorite? Why?

<http://www.tessellations.org/eschergallery1thumbs.shtml>

1. Find another website that has some of his work. Copy and paste the URL below.
2. Copy your favorite image below.
3. How do tessellations relate to transformations (translations, reflections, rotations).
4. Find a video that demonstrates how to make a slide translation tessellation.

Here is an example of one… <https://www.youtube.com/watch?v=JriMIOYd90w>

1. Think of five real life examples of tessellations. Try and come up with a list of at least 5. Pictures are good too ☺
2. Make your own tessellations here!

<http://gwydir.demon.co.uk/jo/tess/sqtile.htm>