

Transformation Webquest:

Today you will be learning about transformations!

You will need this information to complete Unit 1

Directions: Read the directions and visit each website. Write the required information on a piece of notebook paper to hand in. Once you complete the webquest, turn your paper in. You must work on this project until the end of lab.

1. Visit the online math dictionary at

<http://www.amathsdictionaryforkids.com/dictionary.html>

Write the word and definition for the following terms:

- a) Transformation (use the arrows under the fish to make the fish transform)
- b) Translation
- c) Reflection
- d) Symmetry

2. Define what resizing (sometimes called dilation) from the website

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

Write down 2 facts about resizing. Try the resizing activity on this page.

3. Read about rotations at <http://www.mathsisfun.com/geometry/rotation.html>

Write down 2 facts about rotations. Try the rotation activity

4. Read about reflections at <http://www.mathsisfun.com/geometry/reflection.htm>

Write down 2 facts about reflections. Try the reflection activity

5. Read about translations at <http://www.mathsisfun.com/geometry/translation.html>

Write down 2 facts about translations. Try the translation activity

6. Visit the Transformation site at

<http://staff.argyll.epsb.ca/jreed/math9/strand3/transformations.htm>

Click on each of the buttons – to practice translation, rotation, reflection, and dilation.

Draw an example of a translation, rotation, reflection and dilation.

7. Play the transformation game at

<http://www.kidsmathgamesonline.com/geometry/transformation.html>

Write down which transformation was the easiest or hardest to complete correctly and state why.

8. Find one website with a game or activity on transformations – translations, rotations, reflections and resizing (dilations)