

Portfolio of Work Completed on Transformations and Tessellations

You will submit a portfolio of what you have learned from your study of transformations and tessellations. This portfolio will contain:

- a. All completed activities on transformations and tessellations.
- b. 3 Escher-type tessellations, colorfully illustrated on 9x12 inch oaktag.
- c. A 4-5 page summary explicitly describing what you have learned about
 - 1) Transformations: translation, rotations, and reflections
 - 2) Similarities or relationships of translations, rotations, and reflection transformations
 - 3) Effect of transformations on order of points on an object
 - 4) Symmetries of polygons
 - 5) Tessellation of regular and non-regular polygons
- d. The material in your portfolio should be carefully organized and bounded. All portfolios are due on Friday, March 18 during your class period. If you do not submit a portfolio on Friday, March 18, you will complete a letter to take home at that time telling your parents that your project was not submitted on time. Any portfolio submitted after Friday, March 18, will have one grade deducted for each day late.
- e. Value of Portfolio: 1 unit test, 2 quizzes, and 8 homework assignments.
- f. Evaluation of project

Activities will be graded on a scale of 0-3

- 0- activity not completed
- 1- activity shows incomplete understanding of concept
- 2- activity shows good understanding of concept
- 3- activity show exceptional understanding of concept

Summary will be graded on a scale of 0-4

- 0- summary not completed
- 1- summary shows incomplete understanding of concepts
- 2- summary shows good understanding of concepts
- 3- summary show exceptional understanding of concepts

Each Escher-type tessellations will be graded on a scale of 0-4

- 0- tessellation not completed
- 1- tessellation shows incomplete understanding of concept
- 2- tessellation shows good understanding of concept
- 3- tessellation show exceptional understanding of concept