**Computer Corner**

**GREEN GROUP: Real World Symmetry**

We have been learning about geometric shapes. So far, we have discussed their sides and angles. Today, you will learn about describing shapes using symmetry!

1. What is symmetry? Watch this video at <http://mathtrain.tv/play.php?vid=253> to hear other students explain symmetry. How would you define it based on this video?
2. Check out this website about reflection symmetry: <http://www.mathsisfun.com/geometry/symmetry-reflection.html>
   1. Were you right about your definition?
   2. After you explore the webpage, answer the 4 questions at the bottom to check your understanding.
3. Using PowerPoint (or SMART Notebook or Keynote or GoogleDocs Presentation), create a presentation about symmetry that you will later share with a group.
   1. Explain reflection symmetry.
   2. Give examples of reflection symmetry that you have drawn AND in clip art or photos.
   3. BONUS: What does “congruent” have to do with symmetry?

**Rubric:**

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| --- | --- | --- | --- | --- | --- |
|  | 100% Mentor Mathematician:  In-depth information/  inferences go beyond what was explicitly taught. The audience would consider the student an expert. | 95% Master Mathematician: The student clearly explains all answers with no major errors or omissions. The audience is well-informed by the student. | 85% Journeyman Mathematician: Simple concepts are well done, but some minor errors or omissions are in complex ideas, so the audience doesn’t get the whole picture. | 75% Apprentice Mathematician: Simple concepts are well done, but there are major errors or omissions in complex ideas, so the audience doesn’t get the whole picture. | 65% Novice Mathematician: The information is inaccurate or incomplete, so the audience is left confused or unsure about the content. |
| Understand and identify symmetry in real world and geometric shapes. |  |  |  |  |  |
| Draw lines of symmetry. |  |  |  |  |  |

(Note to Teachers: Assignment based on the 3rd grade Math benchmark: MA.3.G.3.3 - Build, draw, and analyze two-dimensional shapes from several orientations in order to examine and apply congruence and symmetry

Completed presentations can be shared and discussed within small groups.)