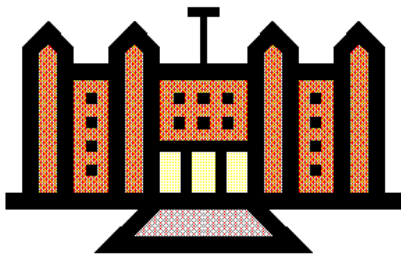
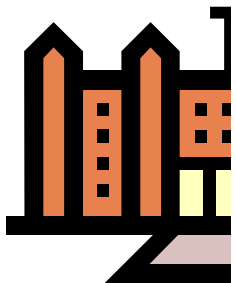
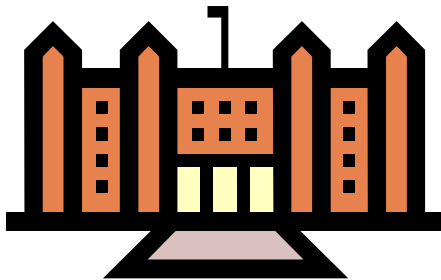



**SCOPE & SEQUENCE**  
**GR. 4 – MATH**

**Student Task**
**GRADE 4: Math****STRAND: Shape And Space (Transformations)****TASK: Studying Symmetry****PRODUCTIVITY TOOL: Paint****TIMELINE: 1 Class****LEVEL OF DIFFICULTY: ☺ Easy**

The student will choose a piece of clipart and copy it into a *Paint* program. The student will then “cut” the clipart in two along its line of symmetry. Using copy and paste, the student will flip half of the clipart, join it to the original half, and test the line of symmetry. If the new picture looks the same as the original, then the picture is said to be symmetrical. The student will note and discuss any changes.



**ICT Outcomes**
**The learner will:**


- F1** 2.1 apply terminology appropriate to the technologies being used at this division level
- 2.2 identify and apply techniques and tools for communicating, storing, retrieving, and selecting information
- 2.3 explain the advantages and limitations of using computers to store, organize, retrieve and select information
- F3** 2.1 comply with the acceptable use policy of the school and district for Internet and networked services, including software licensing agreements
- 2.2 work collaboratively to share limited resources
- 2.3 use appropriate communication language and etiquette
- P3** 2.2 access available databases for images to support communication






## Curriculum Outcomes

**GRADE 4: Math****STRAND: Shape and Space (Transformations)****TASK: Studying Symmetry*****General Outcome***

-  Use numbers and direction words to describe the relative positions of objects in two dimensions, using everyday contexts.

***Specific Outcome #26***

-  Create and verify symmetrical 2-D shapes by drawing lines of symmetry

