Geometry Unit – Views of 3D Objects and Tesselations

Grade 8 Math

**There are two outcomes for this short unit:**

1. **SS6** Demonstrate an understanding of tessellation by:

• explaining the properties of shapes that make tessellating possible

• creating tessellations

• identifying tessellations in the environment.

1. SS5 Draw and interpret top, front and side views of 3- objects composed of right rectangular prisms.

To cover these outcomes, you need to do the following questions from the textbook:

***Section 8.1***

Beginning on page 438, questions 5, 6, 8 – 14, 16 – 18

***Section 8.2***

Beginning on page 444, questions 3 – 12

***Section 8.3***

Beginning on page 450, questions 4 – 11, 13 – 15

***Section 8.5***

Beginning on page 467, questions 6, 10, 11, 15

For each of these outcomes, you need to have a minimum of 3 pieces of evidence that you can present to me for marking. Your pieces of evidence must be done during class time and on your own. You cannot get help from me, the text or classmates for your pieces of evidence.

***Pieces of Evidence for SS6:***

1. Journal entry explaining what a tessellation is and the properties of shapes that make tessellating possible.

Create a tessellation (either a single or compound tessellation) that can be put up on display in the classroom.

1. In class target questions answered on your own about tessellations (questions available from Mr. Liston)

***Pieces of Evidence for SS5:***

1. Journal entry explaining how to make an isometric drawing from a 3-D object.
2. Build a 3-D shape from a drawing of its different views (available from Mr. Liston).
3. Draw the different views from a 3D shape (available from Mr. Liston).