

GRADE 7 LESSON ONE: CLASSIFYING STRUCTURES

TO DO:

- ☐ **Go through and explore** the Grade 7 **presentation** on <https://eromeros.commons.hwdsb.on.ca/> and answer the following questions as you go:

1. What is a structure?

2. What is form and function? What is the difference?

3. Fill in the blanks.

Some structures are _____ (trees, rocks, flowers, you), and some are

_____ or _____ (airplanes, vases, bridges).

4. Find *new* examples of manufactured **and natural structures (draw or write!)**

5. Using the information you have gained, identify and describe what each type of structure is, write an example or insert an image, then determine if it is natural, manufactured or a combination of both. (You can use google to develop your answer  )

Type of Structure	Describe the Structure	Examples of the Structure	Natural, Manufactured, or Both?
Solid Structure			
Frame Structure			
Shell Structure			
Mass Structure			
Combination Structures			

Finally, How do you feel about what we learned today? (Be honest!!) Check the box that applies to you.

- ☐ I have an excellent understanding of the concepts
- ☐ I have a good understanding of the concepts
- ☐ I have some understanding but need to review more
- ☐ My understanding of the concept needs a lot more work
- ☐ Work on your **unit vocabulary** and find the definitions of each concept.  Work on and develop throughout unit.

GRADE 7: STUCTURES AND MECHANISMS UNIT

VOCABULARY



Name: _____ Class: _____ Date: _____

Structure:

Mass Structure:

Frame Structure:

Shell Structure:

Manufactured Structure:

Natural Structure:

Centre of Gravity:

Composite Material:

Fatigue:

Force:

Friction:

Gravity:

Mass:

Magnitude:

Stability:

Structural Failure:

Symmetry

Laminate:

Load:

Live Load:

Properties:

Dead Load:

Compression Force:

Torsion Force:

Shear Force:

Ergonomics: