

# Grade 11 Unit 7 - Assignment

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- As discussed in class, Unit 7(**Equilibrium**) will be a presentation project divided among the *1-5 groups*.
- Since two groups will be working together, I personally suggest the groups divide the work-load between each other.
- **Individual work of the group members will impact final grade on this assignment**, thus, each member should participate actively on the work.

Here is the sections each group will be presenting according to their group numbers:

## Group 1 and Group 8

**Equilibrium** and **conditions for equilibrium** including worked examples.

## Group 2 and Group 7

Types of equilibrium according to the **type of motion**(*rotational and linear*) with detailed examples.

## Group 3 and Group 6

Types of equilibrium **according to stability** of the state(*stable, unstable, and neutral*) with detailed examples.

## Group 4 and Group 9

Relationship between **center of mass** and **equilibrium** and relationship between **potential energy** and **equilibrium** with conceptual problems and detailed examples.

## Group 5 and Group 10

Applications of equilibrium in real life including engineering and cells with worked examples, case studies and detailed conceptual problems.