LESSON ORGANIZER **Name:** Sally Guy **Date:** 10-21-14

Forces and Machines

UNIT OR BACKGROUND

Physical Science

Newton's Laws of Motion

(Lessons)

Lesson Topic

Newton's Laws of Motion

IS ABOUT

1. An object at rest stays at rest
2. F=ma change in motion depends on the mass and amount of fore applied
3. For every action, there is a reaction (opposing forces)

A force is needed to move something, it is affected by the object's mass and there is always an opposing force

DISCUSSION: Relationship -1) Lesson to Unit AND 2) Importance of Lesson to Daily Life

1. Newton's Laws are part of physical science

2) This could help you understand why a vehicle needs more distance to stop on icy streets compared to dry streets

Self- Test Questions (Evaluation):

1. Do I know that an object at rest stays at rest?
2. Do I know F=ma which means that a motion depends on the mass and amount of force applied?
3. Do I know for every action there is a reaction?

Tasks/Strategies:

- Kinesthetic – slide an object on tile vs carpet
- Visual/auditory – view video below
- Use video: http://www.sciencechannel.com/games-and-interactives/newtons-laws-of-motion-interactive/