1/27 Gravity #11

GENDA

- life raft graph
- Egg drop investigation

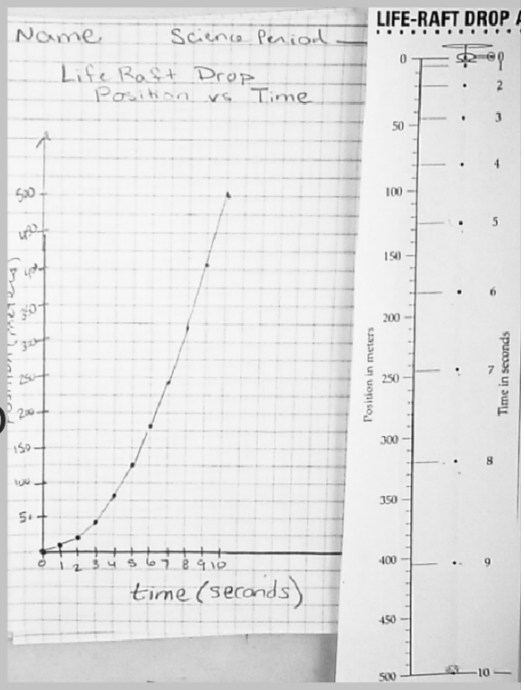
Exit Goal

Plan what you will test in your egg drop investigation

Finish the graph and questions we started yesterday. If you are done, open your journal to that page.

1. Did the raft fall at a constant speed?
2. What caused the life raft to accelerate as it fell?
3. What caused the raft to stop accelerating?

Finish these questions



Learning target: I can design a scientific investigation to test

Egg Drop Investigation

Question: How does _____ affect the time of the drop?

hypothesis

Variables:
MV:
RV: Time of drop
CVs:

Agree with your group on your MV!

Learning target: I can design a scientific investigation to test

Egg Drop Investigation

Question: How does _____ affect the time of the drop?

Variables:
MV:
RV: Time of drop
CVs:

Agree with your group on your MV, then write a hypothesis, and create a materials list.

Hypothesis: If ....then...because...

Materials:

Learning target: I can design a scientific investigation to test

Air Resistance vs No Air Resistance

http://www.youtube.com/watch?v=A1iff6nMPFA&feature=related

http://www.youtube.com/watch?v=4z8g8OSOMzY&feature=related

Misconceptions about falling objects

http://www.youtube.com/watch?v=_mCC-68LyZM&feature=related

Learning target: I can describe the motion of a falling object using scientific vocabulary.

Manipulated Variable

1. size of parachute
2. material of parachute
3. Shape of parachute
4. Height of the parachute