# Physics 112

Thursday, October 19/17

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1. SA: U1- S3 -> Topics (see Next Page)
   -> Format: Word Problems
   -> Friday, October 20/17

## Work Block

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2. Check -> Worksheet - Weight (PP from Text)
3. Normal Force
4. Tension
5. Force of Friction
6. Free Body Diagrams
7. Worksheet - FBDs

# SA: U1- S3 -> Topics

1. types of motion - uniform motion and uniformly accelerated motion
2. use the relationship between the directions of velocity and acceleration to determine the motion of an object
3. word problems - solve using checklist to obtain full value
   - uniform motion - 1 formula
   - uniformly accelerated motion - 4 formulas
   - quadratic formula
4. acceleration due to gravity - symbol -> $\vec{g}$
   - on Earth $\vec{g} = -9.80\ m/s^2$
   - assuming no air resistance when working with freely falling bodies

# Physics 122

Thursday, October 19/17

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1. SA - U1: S3&4 -> Tuesday, October 4/17
   -> Format: MC (max 10) and 4 Problems

2. Return Rated -> FA - Intersection Problem

3. Check -> Worksheets - 2D Collisions/Explosions

4. Experiment 10.2 - Torques (Page 67)
   Experiment 9.1 - Conservation of Momentum (Page 55)

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**Title** - Experiment 10.2 - Torques (Page 67)

**Date Due** - _____

**Recorder** - _____

**Team Members** - _____

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**Materials** - 2 retort stands
- 2 right-angled clamps
- 1 support rod
- 1 meter stick
- 3 meter-stick clamps
- 2 spring scales (5 N capacity) * zero
- 500 g mass

**Procedure** - Refer to page 68 in the "Physics" lab manual.

**Observations and Data** - Complete Table 1 and 2 .

**Analysis** - Answer #1

#2

#3 show three calculations

- Add absolute value signs to numerator.

#4

#5

**Title** - Experiment 9.1 - Conservation of Momentum (Page 55)

**Date Due** - _____

**Recorder** - _____

**Team Members** - _____

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**Procedure** - Refer to page 55 in the "Physics" lab manual.

**Observations and Data** - Complete Table 1.

**Analysis** - Answer #1

#2 Include labeled sheet.

#3

#4

# Science 10

Thursday, October 19/17

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1. SA - Chem #2 - Friday, October 20/17
2. Check: ABC Brainstorming
3. Translating Word Equations to Balanced Chemical Equations

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4. Worksheet: Translating Word Equations
5. Predicting Products
6. Worksheet: Predicting Products