

April 29 - Professional Learning Day (Friday)

May 5 - NBTA Meetings (Thursday)

May 6 - NBTA Council Day (Friday)

May 23 - Victoria Day (Monday)

May 27 - Professional Learning Day (Friday)

## Physics 112

Friday, April 15/16

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### \*Library Books

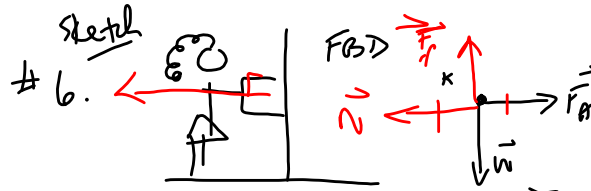
Explain That Stuff - April 15/16

Midterm - April 21/16 (Thursday)

1. Check -> Worksheet: C4 - Extra Practice - Weight and Friction
2. Practice Problems (PP) - C4, Page 144: 5-7  
PFU: Page 151, #26-28, 30-32, 34



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3. Newton's Second Law - Law of Force, Mass and Acceleration
  4. Worksheet: Worksheet: C5 – Newton's Second Law
  5. Worksheet: Text: Page 163, PP #1-3  
Text - Page 168 #4-7



$F_A = ?$

*constant speed  $\Rightarrow$  no acc:*

- $F_A = N$  true here
- $W = F_f$
- $W = mg$
- $F_f = \mu N$   $\leftarrow$
- $N = \frac{F_f}{\mu}$   $\checkmark$

$$F_A = N$$

$$F_A = \frac{F_f}{\mu}$$

$$F_A = \frac{W}{\mu}$$

$$F_A = \frac{m \cdot g}{\mu}$$

$$F_A = \frac{(1.8)(9.80)}{0.28}$$

*skewered use a force of 63N.*

$$F_A = 63N \leftarrow \text{magnitude}$$

$\Rightarrow$

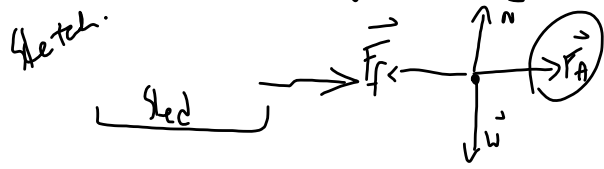
7. 60.0N block.

$$W = 60.0N \leftarrow \quad M = \frac{F_A}{W}$$

$$F_A = \frac{10N}{\mu} \quad M = \frac{F_A}{60}$$

$\cdot 1 \rightarrow$   
 $F_A = 10N, \text{ right}$

# 8.  $\vec{W}, \vec{F}_A, \vec{F}_f, \vec{T}, \vec{N}$   
 Constant speed. 1st



## Science 122

Friday, April 15/16

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## Midterm - April 28/16 (Thursday)

1. Test: Optics

## Science 10

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Friday, April 15/16

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1. Worksheet: Distance, Time, Speed Practice Problems  
Worksheet: Understanding Concepts - Page 358: #3-6, 8 -> HW  
\*Page 358: #7, 9, 10
  2. Assignment - Distance vs Time Graphs
  3. Roller Coasters
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4. Types of Physical Quantities
  5. Position and Displacement
  6. Gecko Demo
  7. 100 Acre Wood
  8. Worksheet: 100 Acre Wood -> Position and Displacement

## Physics 122

Friday, April 15/16

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### Explain That Stuff - April 15/16

### Midterm - Tuesday - April 26

1. Experiment 10.2 - Torques (Page 67)  
Experiment 9.1 - Conservation of Momentum (Page 55)  
**April 28/16**

2. Text: Page 549, PP #13  
Page 570, Prob. #17, 19  
Worksheet: Projectiles - Problems

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