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|  | **Monday****11/18/2019** | **Tuesday****11/19/2019** | **Wednesday****11/20/2019** | **Thursday****11/21/2019** | **Friday****11/22/2019** |
| **Events & Reminders** | * Street Safety Assembly-281
 | * Street Safety Assembly-280
 | * Street Safety Assembly-279
 | **P/T Conferences-Early** **Dismissal*** Ward Assembly – 281
* Powderpuff 🡪 279 vs 280
 | **P/T Conferences-Early** **Dismissal*** Homecoming Game/Dance
 |
| **Unit/Chapter** | Ch.3 – Vectors, Trig, and 2D Kinematics | Ch.4 – Forces, Friction, and Single-Body Motion |
| **Lesson/Topic** | Test Review Day | Test #4 | Introduction to Forces | Drawing FBDs & Newtwon | Newton |
| **Goal/Obj.****SWBAT** | * To prepare for test by leading review session.
 | * Complete test on Vector Addition and Projectile Motion.
* Students will demonstrate their knowledge of Vectors, and Projectile Motion via fill in the blank, corrections, short answer, and application questions.
 | * Define what a force is
* Classify different types of forces
* Understand forces relate to motion, but are different from accelerations
 | * Interpret and identify forces
* construct free-body diagrams
* Use Vector Addition to find the net force on an object.
 | * Recite Newton’s Laws to explain the motion of objects.
* Image result for newton clipart"Apply NL’s to various problems/situations qualitatively and quantitatively.
 |
| **Instruction Type** | Student Lead Review Session | Cumulative Test | Direct Instruction, Class Discussion | Direct Instruction, Class Discussion, Guided Practice, Partner Practice | Direct Instruction, Class Discussion Guided Practice, Partner Practice |
| **Warm-Up** | Shout it Out: questions about exam and/or conceptual question. | Get into Testing Configuration | Write “definition” of force as you currently understand it. Create list of actions that require a force in order to occur.  | Identify forces present in story(ies) such as fictional car crash or sporting event.  | Draw FBD for various objects presented on board.  |
| **Lesson Procedures** | 1. Warmup & HW Check, Atten.
2. Student Lead Questions
3. Teacher Lead HW Review
4. Teacher Lead Notes/Outline
 | 1. Move desks around, Atten.
2. Distribute Calculators
3. 3 Sig Figs, Scientific Notation, Units, Graphic & Picture, Graph Labels,
4. ADMINISTER TEST
5. Stop 2 min before end of class to collect & fix desks.
6. Assign Reading HW
 | 1. Warmup & HW Check, Atten.
2. Go Over Warmup
3. News/Announcements
4. Assign New HW
5. Define “Force” and classify types.
 | 1. Warmup & HW Check, Atten.
2. Go Over Warmup
3. News/Announcements
4. Assign New HW
5. Go Over Old HW
6. Define Free Body Diagrams and how to use them to represent forces on an object.
7. Use Vector Addition to find the net force, if any, on an object.
 | 1. Warmup & HW Check, Atten.
2. Go Over Warmup
3. News/Announcements
4. Assign New HW
5. Go Over Old HW
6. Define Newton’s 3 Laws.
7. Implement them in various situations/practice problems.
 |
| **Checking for Understanding** | * Warmup
* Homework Completion
* Responses to Teacher’s Questions
* Responses to Student’s Questions
* Teacher Circulating During Individual, Partner, and Group Work
 | * Test
 | * Warmup
* Homework Completion
* Responses to Teacher’s Questions
* Responses to Student’s Questions
* Teacher Circulating During Individual, Partner, and Group Work
 | * Warmup
* Homework Completion
* Responses to Teacher’s Questions
* Responses to Student’s Questions
* Teacher Circulating During Individual, Partner, and Group Work
 | * Warmup
* Homework Completion
* Responses to Teacher’s Questions
* Responses to Student’s Questions
* Teacher Circulating During Individual, Partner, and Group Work
 |
| **New Equations & Constants** | ~ | ~ | $$\left(0\right)=m\left(0\right) F=ma \rightharpoonaccent{F\_{ab}}=-\rightharpoonaccent{F\_{ba}}$$ |
| **Assigned Homework** | **Study!** | Reach Chapter 4, Section 1 | Textbook: Page 124, Section Review #1-#4 | Textbook: Page 124, A #1-#2 | Textbook: Page 132, #1-#5 |
| **Notes & Reflections:** |  |  |  |  |  |