Name _	Period
	Forces Contract
Homewo	
	HW 4A: Read 4.1 - 4.5 E 5,6,19, 21,22,28,29 (Newton's 2nd Law) HW 4B: Read 4.6, 7 E 37,39,42,43,48 (Free fall, air resistance) Friction Worksheet Friction Worksheet II (Review) F=ma I (F=ma with multiple forces) F=ma I 1/2 (F=ma with multiple forces) F=ma II (Review F=ma with multiple forces) F=ma III (F=ma with kinematics) F=ma IV (Review F=ma with kinematics) A&B: F=ma V (F=ma with multiple bodies) A&B: F=ma VI (F=ma with multiple bodies) F=ma VII (F=ma review) F=ma VIII (F=ma review) CD 5-1 (Conceptual Development Workbook) CD 5-2 CD 5-3 CD 5-4 (recommended) Concept Map Class Notes Statics Review Problem Set Current Events
Labs	
	Friction Activity Newton's 2nd Law Activity Forces Station Lab I Forces Station Lab II
	<u>Self</u> <u>Teacher</u>
	CT GRADE
Grade is bo	ased on a total of 17 items. Total number of items:

email: larrygeni@gmail.com

Essential Ouestions:

What is Newton's 2nd Law? What is the relationship between an object's acceleration, its mass and the force acting on it? Will any force cause an acceleration or only net forces?

Why do heavy objects fall with the same acceleration as light objects? When do objects not fall with the same acceleration? What factors affect air resistance? What is terminal velocity? Why do different objects have different terminal velocities?

What is friction? What is the coefficient of friction? What is the difference between static and sliding friction? Which is larger? Why?

Things You Should Be Able to Do:

Calculate the force of friction using $F_f = \mu F_N$

Create a free body diagrams for one or more accelerating objects, including inclined plane problems.

Solve problems using force components and the equations for $\Sigma F = ma$ for x and y axes or parallel and perpendicular axes (inclined plane problems).

Solve problems combining ΣF =ma with Kinematics equations.

Tuesday	Wednesday	Thursday	Friday
10/27	10/28	10/29	10/30 FBD I1/2
HW4A	FBDI	FRICTION WORKSHET	FBD I1/2
11/3	11/4	11/5	11/6
	FBDIII		FORCES TESTS
	10/27 HW4A	10/27 10/28 HW4A FBD I 11/3	10/27 10/28 10/29 HW4A FBDI FRICTION WORKSHET