Physics Scope and Sequence (Number of days is approximate)

Tentative test dates	Days	Торіс	Chapter	ועוכבט בינויניט בינויניט ב labs
8/12	4 days 6 days	Measurement, graphing and mathematical relationships Unit 1 speed and velocity SP1. (a-b) Obtain, evaluate, and communicate information about the relationship between distance, displacement, speed, velocity, and acceleration as functions of time.	1 & 2	Tower activity, Lifesaver lab, Measurement lab Physics 500, position v. time graphing
8/19	5 days	Unit 2 Acceleration SP1. (b-c) Obtain, evaluate, and communicate information about the relationship between distance, displacement, speed, velocity, and acceleration as functions of time.	2	Acceleration lab, dollar drop
8/29	6 Days	Unit 3 vectors and projectiles SP1. (c-d) Obtain, evaluate, and communicate information about the relationship between distance, displacement, speed, velocity, and acceleration as functions of time.	3	Hall vectors, bulls eye lab
9/8	5 days	Unit 4 Newton's laws SP2. (a-c) Obtain, evaluate, and communicate information about how forces affect the motion of objects.	4	Rubber band spring scale lab, Newton's 2 nd law lab, free body diagrams
9/16	6 days	Unit 5 applications of newton's laws SP2. (d-e) Obtain, evaluate, and communicate information about how forces affect the motion of objects.	7	Under pressure lab, rough riders lab, circular motion lab,
9/23	5 days	Unit 6 momentum SP3. (d) Obtain, evaluate, and communicate information about the importance of conservation laws for mechanical energy and linear momentum in predicting the behavior of physical systems.	6	Bungee lab, Collison Phet computer lab
10/10	6 days	Unit 7 mechanical energy SP3. (a-c) Obtain, evaluate, and communicate information about the importance of conservation laws for mechanical energy and linear momentum in predicting the behavior of physical systems.	5	No free lunch Phet computer lab, people power lab
10/13	3 days	Unit 8 electrostatics SP5. (a-c) Obtain, evaluate, and communicate information about electrical and magnetic force interactions.	16	Static balloon lab, electroscope lab
10/24	7 days	Unit 9 electric circuits SP5 .(d) Obtain, evaluate, and communicate information about electrical and magnetic force interactions.	17&18	Phet electric circuit lab
11/2	7 days	Unit 10 magnetism SP5. (e) Obtain, evaluate, and communicate information about electrical and magnetic force interactions.	19	Magnetic field lines lab, Phet electromagnet lab, battery electromagnet lab
11/10	5 days	Unit 11 mechanical waves SP4. (a-b) Obtain, evaluate, and communicate information about the properties and applications of waves.	11&15	Pendulum lab, Making waves lab
11/17	5 days	Unit 12 sound SP4. (a-c) Obtain, evaluate, and communicate information about the properties and applications of waves.	12&15	Sound stations lab, resonance lab
12/1	5 days	Unit 13 light and color SP4. (a-b, d-e)) Obtain, evaluate, and communicate information about the properties and applications of waves.	13-15	Light activity, color algebra activity, After image lab
12/7	4 days	Unit 14 optics SP4. (f) Obtain, evaluate, and communicate information about the properties and applications of waves.	14	Online tutorial packet
Exams 12/16- 12/17	5 days	Final Review 2 days of final exams	All Chapters	Final