

	Monday	Tuesday	Wednesday	Thursday
Unit/ Lesson	<b>Unit 2: Forces</b>	<b>Unit 2: Forces</b>	<b>Unit 2: Forces</b>	<b>Unit 2: Forces</b>
Big Ideas	Forces can change the motion of an object. Applications of Newton's laws of motion have led to technological developments that affect society and the environment	Forces can change the motion of an object. Applications of Newton's laws of motion have led to technological developments that affect society and the environment	Forces can change the motion of an object. Applications of Newton's laws of motion have led to technological developments that affect society and the environment	Forces can change the motion of an object. Applications of Newton's laws of motion have led to technological developments that affect society and the environment
Overall Expectations	<b>C1.</b> analyze and propose improvements to technologies that apply concepts related to dynamics and Newton's laws, and assess the technologies' social and environmental impact; <b>C2.</b> investigate, in qualitative and quantitative terms, net force, acceleration, and mass, and solve related problems; <b>C3.</b> demonstrate an understanding of the relationship between changes in velocity and unbalanced forces in one dimension	<b>C1.</b> analyze and propose improvements to technologies that apply concepts related to dynamics and Newton's laws, and assess the technologies' social and environmental impact; <b>C2.</b> investigate, in qualitative and quantitative terms, net force, acceleration, and mass, and solve related problems; <b>C3.</b> demonstrate an understanding of the relationship between changes in velocity and unbalanced forces in one dimension	<b>C1.</b> analyze and propose improvements to technologies that apply concepts related to dynamics and Newton's laws, and assess the technologies' social and environmental impact; <b>C2.</b> investigate, in qualitative and quantitative terms, net force, acceleration, and mass, and solve related problems; <b>C3.</b> demonstrate an understanding of the relationship between changes in velocity and unbalanced forces in one dimension	<b>C1.</b> analyze and propose improvements to technologies that apply concepts related to dynamics and Newton's laws, and assess the technologies' social and environmental impact; <b>C2.</b> investigate, in qualitative and quantitative terms, net force, acceleration, and mass, and solve related problems; <b>C3.</b> demonstrate an understanding of the relationship between changes in velocity and unbalanced forces in one dimension
Specific Expectations	C2.1 use appropriate terminology related to forces, including, but not limited to: mass, time, speed, velocity, acceleration, friction, gravity, normal force, and free-body diagrams [C]	C3.3 state Newton's laws, and apply them, in qualitative terms, to explain the effect of forces acting on object	C2.5 plan and conduct an inquiry to analyse the effect of forces acting on objects in one dimension, using vector diagrams, free-body diagrams, and Newton's laws [IP, PR, AI, C]	C2.1 use appropriate terminology related to forces, including, but not limited to: mass, time, speed, velocity, acceleration, friction, gravity, normal force, and free-body diagrams [C]
Learning Goals	Review of Forces [ Chapter 3]	Gravitational Field Strength, mass and weight	Friction [ static and kinetic], coefficient of friction.	Test 1 on Forces
Success Criteria				
Instructional Strategies	This class will be about reviewing forces [ Chapter 3 textbook] in preparation for a test on thursday..	Lecture on gravitational field strength, the difference between mas and weight. Examples will be given and related problems will be analyzed and solved	Lecture on friction, static friction, kinetic friction and coefficient of friction. Related examples will be analyzed and solved.	Students will write a test on Forces

Assessment & Evaluation	Class Work [ AAL]	Class Work [ AAL]	Class Work [ AAL]	Test [ AOL]
Homework / Class Work	Chapter 3 review questions pages 153-157 textbook	Class work on practice questions page 166 textbook	Class work on questions page 171 textbook.	
Materials & Resources	Nelson Physics 11 [ Textbook]	Nelson Physics 11 [ Textbook]	Nelson Physics 11 [ Textbook]	Nelson Physics 11 [ Textbook]