

Science 8- Course Outline

UNIT 1- MIX AND FLOW OF MATTER		Classes
Topic 1	Matter on the Move Can Solids Flow: cereal demonstration <u>Unit 1- Assignment 1 due: Thursday September 11th P1</u>	3.0
Topic 2	Mixing Can Make It Flow Mixtures demonstration <u>Unit 1- Assignment 2 due: Tuesday September 22 P 1</u>	5.0
Topic 3	Separating Earth's Mixtures <u>Unit 1- Assignment 3 due: Friday September 26th P1</u>	3.0
	<u>Topic 1, 2 & 3 Test: Wednesday September 24th P1</u>	0.5
Topic 4	Flow Rate and Viscosity Unit 1- Assignment 4 due:	Classes
Topic 5	Density Unit 1- Assignment 5 due:	
Topic 6	Buoyancy Unit 1- Assignment 6 due:	
	<u>Topic 4, 5 & 6 Test</u>	0.5
Topic 7	Fluid Pressure Unit 1- Assignment 7 due:	Classes
Topic 8	Fluid Strength: Hydraulics and Pneumatics Unit 1- Assignment 8 due:	
	<u>Topic 7 & 8 Test</u>	0.5
	Unit Exam	1.0
	Approximate Total:	27.0

UNIT 2- Cells and Systems

Classes

Topic 1 Living Organisms
Unit 2- Assignment 1 due:

Topic 2 Microscopes and Cells
Unit 2- Assignment 2 due:

Topic 3 The Cell and Its Structures
Unit 2- Assignment 3 due:

Topic 1, 2 & 3 Test

Topic 4 Fluid Movement in Cells
Unit 2- Assignment 4 due:

Topic 5 Cell Specialization and Organization
Unit 2- Assignment 5 due:

Topic 4 & 5 Test

Topic 6 Body Systems in Humans
Unit 2- Assignment 6 due:

Topic 7 Body Systems and Your Health
Unit 2- Assignment 7 due:

Topic 6 & 7 Test

Unit Exam

1.0

Approximate Total: 27.0

UNIT 3- Light and Optical Systems

Classes

Topic 1	What is Light Unit 3- Assignment 1 due:	
Topic 2	Reflection Unit 3- Assignment 2 due:	
Topic 3	Refraction Unit 3- Assignment 3 due: <u>Topic 1, 2 & 3 Test</u>	
Topic 4	Lenses and Vision Unit 3- Assignment 4 due:	
Topic 5	Extending Human Vision Unit 3- Assignment 5 due: <u>Topic 4 & 5 Test</u>	0.5
Topic 6	The Source of Colours Unit 3- Assignment 6 due:	
Topic 7	The Wave Model of Light Unit 3- Assignment 7 due:	
Topic 8	Beyond Light Unit 3- Assignment 8 due: <u>Topic 6, 7 & 8 Test</u>	0.5
	Unit Exam	1.0
	Approximate Total:	27.0

UNIT 4- Mechanical Systems

Classes

Topic 1 Levers and Inclined Planes

Unit 4- Assignment 1 due:

Topic 2 The Wheel and Axle, Gears, and Pulleys

Unit 4- Assignment 2 due:

Topic 3 Energy, Friction, and Efficiency

Unit 4- Assignment 3 due:

Topic 1,2 & 3 Test

Topic 4 Force, Pressure, and Area

Unit 4- Assignment 4 due:

Topic 5 Hydraulics and Pneumatics

Unit 4- Assignment 5 due:

Topic 6 Combining Systems

Unit 4- Assignment 6 due:

Topic 4, 5 & 6 Test

Topic 7 Machines Throughout History

Unit 4- Assignment 7 due:

Topic 8 People and Machines

Unit 4- Assignment 8 due:

Topic 7 & 8 Test

0.5

Unit Exam

1.0

Approximate Total: 27.0

UNIT 5- Fresh and Salt Water Systems

Topic 1	A World of Water Unit 5- Assignment 1 due:	Classes
Topic 2	Earth's Frozen Water Unit 5- Assignment 2 due:	
	<u>Topic 1 & 2 Test</u>	0.5
Topic 3	Fresh Water Systems Unit 5- Assignment 3 due:	
Topic 4	The Oceans Unit 5- Assignment 4 due:	
	<u>Topic 3 & 4 Test</u>	0.5
Topic 5	Living In Water Unit 5- Assignment 5 due:	
Topic 6	Water Quality and Water Management Unit 5- Assignment 6 due:	
	<u>Topic 5 & 6 Test</u>	
	Unit 5 Test	
		Approximate Total: 27.0
	Year Review	
	FINAL EXAM	