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You should have been given a class code by your teacher to access the correct course.

<u>Purple</u> topics are triple science **only** topics only

<u>Term</u>	<u>topics</u>	Seneca Course	Course code and title
Autumn 1	Atomic Structure -	Combined science	Elements and
	Chemistry	Chemistry FT and HT	compounds 1.1.1
			Mixtures 1.1.3
		Chemistry FT	RP separating
			mixtures 4.3.4
		Combined science	Model of the
		Chemistry FT and HT	atom 1.1.4
		Chemistry FT and HT	Atom size 1.1.5
	Bonding	Chemistry FT and HT	States of matter
			2.2.1
			Changing state
			2.2.2
		Chemistry FT	Metals and Alloys
			2.3.4
		Chemistry HT	Alloys and
			conductors 2.3.4
	Atmosphere	Combined science	Proportions of
		Chemistry FT	gases in the
			atmosphere 9.1.1
		Chemistry FT	The early
			atmosphere 9.1.2
		Chemistry HT	Oxygen and
			Carbon dioxide in
			the atmosphere
			9.1.2
	Cells	Combined science	Cell Biology 1.1.1-
		Biology FT and HT	1.1.10
		Biology FT	Cell Biology 1.1.1-
			1.1.10

		Biology HT	Cell Biology 1.1.1- 1.1.14
	Cells and microbes	Combined science Biology FT and HT Biology HT	Cell Biology 1.1.1- 1.1.10 Cell Biology 1.1.1- 1.1.14
	Magnetism	Physics FT and HT	Magnetic materials 7.1.1 – 7.1.2
	Forces	Combined Science Physics FT	Velocity and speed vectors 5.1.1
		Combined Science Physics HT	Force diagrams 5.2.3
		Physics HT	Force diagrams 5.2.3
		Combined Science Physics FT and HT	Gravity 5.2.1
		Combined Science Physics HT	Basics of motion 3, 5.1.3
		Combined Science Physics FT and HT	Basics of motion 1, 5.1.1
		Combined Science Physics FT and HT	Resultant forces 5.2.2
		Combined Science Physics FT and HT	Stopping distance 5.3.2

<u>Term</u>	<u>topics</u>	Seneca Course	Course code and title
			title
Autumn 2	Electricity	Combined science	Current 2.1.1
		Physics FT and HT	
		Combined science	Circuit diagrams
		Physics FT	2.1.1
		Combined science	Potential
		Physics FT	difference 2.1.3
		Combined science	Ohm's Law 2.2.2
		Physics FT and HT	

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	Forces	Combined science	Velocity, speed
		Physics FT	and vectors 5.1.1
		Combined science	Force diagrams
		Physics HT	5.2.3
		Combined science	Contact and non-
		Physics FT	contact forces
			5.1.3
		Combined science	Gravity 5.2.1
		Physics FT and HT	
		Combined science	Basics of Motion
		Physics HT	3, 5.1.3
		Combined science	Basics of motion
		Physics HT	1, 5.1.1
		Combined science	Resultant forces
		Physics FT and HT	5.2.2
		Combined science	Stopping distance
		Physics FT and HT	5.3.2
	Organisation	Combined science	Organisation
		Biology FT	2.1.1-2.1.3, 2.3.1-
			2.3.7, 2.4.1-2.4.6
		Combined science	Organisation
		Biology HT	2.1.1-2.1.2, 2.3.1-
			2.3.7, 2.4.1 -2.4.6
	Homeostasis	Combined science	Homeostasis and
		Biology FT	response 5.1.1,
			5.2.1 and 5.2.3
		Biology FT	Homeostasis and
			response 5.1.1
			and 5.4.1
		Combined science	Homeostasis and
		Biology HT	response 5.2.1 -
			5.2.3
		Biology HT	Homeostasis and
			response 5.1.1 -
			5.1.2 and 5.4.1-
			5.4.3
	Rates	Combined science	Chemical
		Chemistry FT and HT	reactions and
			collisions 6.1.1

Organic Chemistry	Chemistry FT and HT	Crude oil 7.1.1
	Chemistry FT and HT	Alkanes 7.1.2
	Chemistry HT	Fractional
		distillation 7.1.3
	Chemistry FT	Fractional
		distillation 7.1.4
	Chemistry FT	Properties of
		hydrocarbons
		7.1.3
	Chemistry FT and HT	Alkenes 7.2.1
Quantitative	Chemistry FT	Measuring mass
Chemistry		3.1.2
	Chemistry FT and HT	Chemical
		reactions and
		equations 1.1.2
Infection and	Biology FT	Infection and
Response		response 3.2.1
	Biology HT	Infection and
		response 3.3.1-
		3.3.3

<u>Term</u>	topics	Seneca Course	Course code and
			<u>title</u>
Spring 1	Magnetism	Physics HT and FT	Magnetic
			materials 7.1.1
		Physics HT and FT	Magnetic Fields
			7.1.2
	Energy	Combined science	Energy stores
		Physics HT and FT	1.1.1
		Combined science	Storing of energy
		Physics HT and FT	1.1.2
		Combined science	Energy transfers
		Physics HT and FT	1.1.4
		Combined science	Power and
		Physics FT	energy transfers
			1.2.2
		Combined science	Energy losses and
		Physics FT	efficiency 1.2.1

	Physics FT	Efficiency 1.2.1
	Physics HT	Energy losses and
	,	efficiency 1.1.2
		and 1.1.2
	Physics FT	Energy losses
		1.2.2
	Physics HT	Energy losses
		1.2.3
	Combined science	Fossil fuels and
	Physics FT and HT	geothermal 1.3.1
	Combined science	Wind and tidal
	Physics FT and HT	1.3.2
	Combined science Physics FT and HT	Nuclear and solar 1.3.3
Inheritance,	Biology FT	Inheritance,
Evolution and	Diology 1 1	variation and
Variation		evolution 6.3.1-
		6.3.6
	Biology HT	Inheritance,
	<u>.</u>	variation and
		evolution 6.3.1-
		6.3.5
Chemical Change	Chemistry FT	Alkali metals
		1.1.11
	Chemistry HT	Alkali metals
		1.1.10
	Chemistry FT	Displacement
	Ch amistra LIT	reactions 4.2.2
	Chemistry HT	Reactivity tests and extraction
		4.2.2
	Chemistry HT	Reactions with
	Chemistry III	metals and acids
		4.3.1
Energy Changes	Chemistry FT and HT	Exothermic and
3, 5, 5, 5, 5		endothermic
		reactions 5.1.1
	Chemistry FT and HT	Reaction profiles
		5.1.2

Space	Physics FT and HT	The solar system
		8.1.1
	Physics FT	Life cycle of a star
		8.1.3
	Physics FT and HT	Orbits 8.1.2
	Physics HT	Orbits hyper
		learning 8.1.3

Term	topics	Seneca Course	Course code and
			<u>title</u>
Spring 2	Chemical Change	Chemistry FT	Alkali metals
			1.1.11
		Chemistry HT	Alkali metals
			1.1.10
		Chemistry FT	Displacement
			reactions 4.2.2
		Chemistry HT	Reactivity tests
			and extraction
			4.2.2
		Chemistry HT	Reactions with
			metals and acids
			4.3.1
	Organic Chemistry	Chemistry FT and HT	Crude oil 7.1.1
		Chemistry FT and HT	Alkanes 7.1.2
		Chemistry HT	Fractional
			distillation 7.1.3
		Chemistry FT	Fractional
			distillation 7.1.4
		Chemistry FT	Properties of
			hydrocarbons
			7.1.3
		Chemistry FT and HT	Alkenes 7.2.1
	Quantitative	Chemistry FT	Measuring mass
	Chemistry		3.1.2
		Chemistry FT and HT	Chemical
			reactions and
			equations 1.1.2

Ecology	Combined Science	Ecology 7.1.1-
Leology	Biology FT	7.1.2 and 7.2.1-
	ыоюдутт	7.2.3
	Combined Science	Ecology 7.1.1-
	Biology HT	7.1.2 and 7.2.1-
	2101087 111	7.2.5
	Biology FT	Ecology 7.1.1-
	ыоюдутт	7.1.2 and 7.2.1-
		7.2.6
	Biology HT	Ecology 7.1.1-
	2.0.087	7.1.2 and 7.2.1-
		7.2.8
Homeostasis and	Combined Science	Homeostasis and
hormones	Biology FT	response 5.1.1
	01	and 5.2.1-5.2.3
	Combined Science	Homeostasis and
	Biology HT	response 5.1.1-
	.	5.1.2 and 5.4.1-
		5.4.3
	Biology FT	Homeostasis and
		response 5.1.1
		and 5.4.1
	Biology HT	Homeostasis and
		response 5.1.1-
		5.1.2 and 5.4.1-
		5.4.3
Electricity	Physics HT and FT	Static electricity
		2.5.1
	Physics HT and FT	Conductors
	Combined science	Current 2.1.1
	Physics FT and HT	
	Combined science	Circuit diagrams
	Physics FT	2.1.1
	Combined science	Potential
	Physics FT	difference 2.1.3
	Combined science	Ohm's Law 2.2.2
	Physics FT and HT	
Using resources	Chemistry FT and HT	Metal extraction
		and the

		I
		properties of
		copper 10.1.5
	Chemistry FT and HT	Overexploitation
		and alternative
		extraction
		methods 10.1.6
	Chemistry FT and HT	Potable water
		10.1.1
	Chemistry FT and HT	Waste water and
		sewage
		treatment 10.1.4
Energy	Combined science	Energy stores
	Physics HT and FT	1.1.1
	Combined science	Storing of energy
	Physics HT and FT	1.1.2
	Combined science	Energy transfers
	Physics HT and FT	1.1.4
	Combined science	Power and
	Physics FT	energy transfers
		1.2.2
	Combined science	Energy losses and
	Physics FT	efficiency 1.2.1
	Physics FT	Efficiency 1.2.1
	Physics HT	Energy losses and
	,	efficiency 1.1.2
		and 1.1.2
	Physics FT	Energy losses
	,	1.2.2
	Physics HT	Energy losses
	•	1.2.3
	Combined science	Fossil fuels and
	Physics FT and HT	geothermal 1.3.1
	Combined science	Wind and tidal
	Physics FT and HT	1.3.2
	Combined science	Nuclear and solar
	Physics FT and HT	1.3.3
	7	3.13

<u>Term</u>	topics	Seneca Course	Course code and
			<u>title</u>
Summer 1	Waves	Combined Science	Transverse and
		Physics FT	longitudinal 6.1.1
		Combined Science	Transverse and
		Physics HT	longitudinal 6.1.2
		Physics FT	Transverse 6.1.1
		Physics FT	Longitudinal 6.1.2
		Combined Science	Describing waves
		Physics FT	6.1.2 and 6.1.3
		Combined Science	Calculating wave
		Physics FT	speed 6.1.3
		Combined Science	Sound waves
		Physics FT	6.1.4
		Combined Science	Basics and
		Physics HT	formula 6.1.1
		Physics HT and FT	Sound waves
			6.3.1
		Physics HT	Sound waves
			2,6.3.2
		Combined Science	Ripple tank 6.1.4
		Physics HT	
		Combined Science	Waves at a
		Physics FT	boundary 6.2.5
		Combined Science	Waves at a
		Physics HT	boundary 6.2.5
		Combined Science	Waves at a
		Physics FT and HT	boundary 2, 6.2.2
	Infection and	Biology FT	Infection and
	response		Response 3.2.1
		Biology HT	Infection and
			response 3.3.1-
			3.3.3
	Chemical analysis	Chemistry FT	Purity and
			formulations
			8.1.1
		Chemistry FT and HT	Paper
			chromatography
			8.1.2

		Chemistry FT and HT	RP paper chromatography 8.1.3
		Chemistry FT and HT	Testing for hydrogen 8.2.1
		Chemistry FT and HT	Testing for oxygen 8.2.2
		Chemistry FT and HT	Testing for carbon dioxide 8.2.4
		Chemistry FT and HT	Summary of gas tests 8.2.5
	Atmosphere	Combined science	Proportions of
		Chemistry FT	gases in the
			atmosphere 9.1.1
		Chemistry FT	The early
		,	atmosphere 9.1.2
		Chemistry HT	Oxygen and Carbon dioxide in the atmosphere 9.1.2
	Ecology and	Combined Science	Ecology 7.1.1-
	decomposition	Biology FT	7.1.2 and 7.2.1- 7.2.3
		Combined Science	Ecology 7.1.1-
		Biology HT	7.1.2 and 7.2.1-
			7.2.5
		Biology FT	Ecology 7.1.1-
			7.1.2 and 7.2.1-
			7.2.6
		Biology HT	Ecology 7.1.1-
			7.1.2 and 7.2.1-
			7.2.8

<u>Term</u>	<u>topics</u>	Seneca Course	Course code and
6		Character ET	<u>title</u>
Summer 2	Chemical Analysis	Chemistry FT	Purity and
			formulations
			8.1.1
		Chemistry FT and HT	Paper
			chromatography
			8.1.2
		Chemistry FT and HT	RP paper
			chromatography
			8.1.3
		Chemistry FT and HT	Testing for
			hydrogen 8.2.1
		Chemistry FT and HT	Testing for
			oxygen 8.2.2
		Chemistry FT and HT	Testing for
			carbon dioxide
			8.2.4
		Chemistry FT and HT	Summary of gas
			tests 8.2.5
	Using resources	Combined science	Proportions of
		Chemistry FT	gases in the
			atmosphere 9.1.1
		Chemistry FT	The early
			atmosphere 9.1.2
		Chemistry HT	Oxygen and
			Carbon dioxide in
			the atmosphere
			9.1.2
	Rates	Combined science	Chemical
		Chemistry FT and HT	reactions and
			collisions 6.1.1
	Energy Changes	Chemistry FT and HT	Exothermic and
			endothermic
			reactions 5.1.1
		Chemistry FT and HT	Reaction profiles
			5.1.2
	Waves	Combined Science	Transverse and
		Physics FT	longitudinal 6.1.1

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		Combined Science	Transverse and
		Physics HT	longitudinal 6.1.2
		Physics FT	Transverse 6.1.1
		Physics FT	Longitudinal 6.1.2
		Combined Science	Describing waves
		Physics FT	6.1.2 and 6.1.3
		Combined Science	Calculating wave
		Physics FT	speed 6.1.3
		Combined Science	Sound waves
		Physics FT	6.1.4
		Combined Science	Basics and
		Physics HT	formula 6.1.1
		Physics HT and FT	Sound waves 6.3.1
		Physics HT	Sound waves 2,6.3.2
		Combined Science Physics HT	Ripple tank 6.1.4
		Combined Science	Waves at a
		Physics FT	boundary 6.2.5
		Combined Science	Waves at a
		Physics HT	boundary 6.2.5
		Combined Science	Waves at a
		Physics FT and HT	boundary 2, 6.2.2
	Atomic Structure Physics	Physics FT and HT	Atomic model 4.1.1
		Physics FT and HT	Atomic Model 2, 4.1.2
		Physics FT and HT	Atoms and Ions 4.1.3
		Physics FT and HT	Isotopes 4.1.4
		Physics FT and HT	Radioactive
			decay 4.2.1
		Physics FT and HT	Types of
			radioactive decay 4.2.2
		Physics FT and HT	Radioactive
			decay equations
			4.2.3

	Physics FT and HT	Half lives and
		ionising radiation
		4.2.4
	Physics FT	Uses of radiation
		4.2.5
	Physics FT	Dangers of
		radiation 4.2.6
	Physics HT	Uses and dangers
		of radiation 1&2,
		4.2.5 and 4.2.6
Bioenergetics	Combined science	Respiration 1 & 2,
	Biology HT and FT	4.2.1 & 4.2.2