HARRYTOWN
CATHOLIC HIGH SCHOOL

Science Year 7

2016 - 2017

	TERM 1				TERM 2				TERM 3				
	Autumn 1		**Autumn 2**		**Spring 1**		**Spring 2**		**Summer 1**		**Summer 2**		**Results**
Term Dates	05/09/16 - 20/10/16	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	31/10/16 - 23/12/16	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17)	09/01/17 - 17/02/17	MID TERM HOLIDAY 18/02/17 - 26/02/17	27/02/17 - 07/04/17	EASTER HOLIDAY 08/04/17 - 23/04/17	24/04/17 - 26/05/17	MID TERM HOLIDAY 27/05/17 - 4/06/17	05/06/17 - 21/07/17	SUMMER HOLIDAY 22/07/17 -	
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	(Eg: 6 per 10 day cycle) Approx. 21 lessons		Approx. 24 lessons		Approx. 18 lessons		Approx 18 lessons		Approx 15 lessons		Approx 21 lessons		
Teaching focus	1. Lab safety & Working Scientifically (5) 2. Cells & Levels of Organisation (10) 3. Particles & their Behaviour (11)		(Complete 3.Particles & their Behaviour), 4. Atoms, Elements & Compounds (8) 5. Eletricity (6)		6. Human Reproduction (8) 7. Acids & Alkalis (8) 8. Forces (9)		(Complete 8. Forces) 9. Muscles & Bones (5) 10. Separation Techniques (10)		(Complete 10. Separation Techniques) 11. Energy (12)		12. The Periodic Table (9) 13. Sound (9)		
Assessment	Two end of unit written Assessments		Two end of unit Assessments and one written Christmas Exam (Linear)		Two end of unit written Assessments		Two end of unit written Assessments and one written Spring Exam (Linear)		Two end of unit written Assessments		One end of unit written Assessment and one written Summer (end of year) Exam Linear		
Extra Classes	Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		
Exam Board	N/A		N/A		N/A		N/A		N/A		N/A		
Home learning expectations	www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		
Suggested Revision Resources	http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		
Marking, Assessment, Reporting, Recording	1. Working Scientifically 2. Cells & Levels of Organisation		3. Particles & their Behaviour 4. Atoms, Elements & Compounds 5. Christmas Exam in Science Assessment Books		6. Human Reproduction 7. Acids & Alkalis in Science Assessment Books		7. Forces 8. Spring Exam in Science Assessment Books		9. Separation Techniques 10. Energy in Science Assessment Books		11. Energy 12. Summer Exam in Science Assessment Books		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		

HARRYTOWN
CATHOLIC HIGH SCHOOL

Science Year 8

2016 - 2017

	TERM 1				TERM 2				TERM 3				
	Autumn 1	**MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16**	**Autumn 2**	**CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17**	**Spring 1**	**MID TERM HOLIDAY 18/02/17 - 26/02/17**	**Spring 2**	**EASTER HOLIDAY 08/04/17 - 23/04/17**	**Summer 1**	**MID TERM HOLIDAY 27/05/17 - 4/06/17**	**Summer 2**	**SUMMER HOLIDAY 22/07/17 -**	**Results**
Term Dates	**05/09/16 - 20/10/16**		**31/10/16 - 23/12/16**		**09/01/17 - 17/02/17**		**27/02/17 - 07/04/17**		**24/04/17 - 26/05/17**		**05/06/17 - 21/07/17**		
	7 weeks		**8 weeks**		**6 weeks**		**6 weeks**		**5 weeks**		**7 weeks**		
Number of lessons	**(Eg: 6 per 10 day cycle) Approx. 21 lessons**		**Approx. 24 lessons**		**Approx. 18 lessons**		**Approx 18 lessons**		**Approx 15 lessons**		**Approx 21 lessons**		
Teaching focus	Waves, Sound, Light Revision (1), Space* (8), Acids & Alkalis* (8), Food, health & Lifestyle (13)		(Complete Food , Health & Lifestyle*), Electricity & Magnetism* (13), The Periodic Table (9)		Ecosystem Processes* (13), Separation Techniques (10)		(Complete Separation Techniques*), Energy (12)		Adaptation & Inheritance* (11), Metals & Acids (12)		(Complete Metals & Acids*), Motion & Pressure (10)		
Assessment	Two end of unit written Assessments*		Two end of unit Assessments* and one written Christmas Exam (Linear)		One end of unit written Assessment*		One end of unit written Assessment* and one written Spring Exam (Linear)		One end of unit written Assessment		One end of unit written Assessment* and one written Summer (end of year) Exam Linear		
Extra Classes	Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		
Exam Board	N/A		N/A		N/A		N/A		N/A		N/A		
Home learning expectations	www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		
Suggested Revision Resources	http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		
Marking, Assessment, Reporting, Recording	1.Space 2. Acid & Alkalis in Science Assessment Books		3. Food, health & Lifestyle 4. Electricity & Magnetism 5. Christmas Exam in Science Assessment Books		6. Ecosystem Processes in Science Assessment Books		7. Separation Techniques 8. Spring Exam in Science Assessment Books		9. Adaptations & Inheritance in Science Assessment Books		10. Metals & Acids 11. Summer Exam in Science Assessment Books		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		

HARRYTOWN
CATHOLIC HIGH SCHOOL

Science Year 9

2016 - 2017

	TERM 1			CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	TERM 2			EASTER HOLIDAY 08/04/17 - 23/04/17	TERM 3			SUMMER HOLIDAY 22/07/17 -	
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2		Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2		Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2		Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	(Eg: 6 per 10 day cycle) Approx. 21 lessons		Approx. 24 lessons		Approx. 18 lessons		Approx 18 lessons		Approx 15 lessons		Approx 21 lessons		
Teaching focus	Waves, Sound, Light Revision (1), Space* (8), Acids & Alkalis* (8), Food, health & Lifestyle (13)		(Complete Food , Health & Lifestyle*), Electricity & Magnetism* (13), The Periodic Table (9)		Ecosystem Processes* (13), Separation Techniques (10)		(Complete Separation Techniques*), Energy (12)		Adaptation & Inheritance* (11), Metals & Acids (12)		(Complete Metals & Acids*), Motion & Pressure (10)		
Assessment	Two end of unit written Assessments*		Two end of unit Assessments* and one written Christmas Exam (Linear)		One end of unit written Assessment*		One end of unit written Assessment* and one written Spring Exam (Linear)		One end of unit written Assessment		One end of unit written Assessment* and one written Summer (end of year) Exam Linear		
Extra Classes	Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		Friday lunchtimes, Tuesday after school or by appointment		
Exam Board	N/A		N/A		N/A		N/A		N/A		N/A		
Home learning expectations	www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		www.showmyhomework.co.uk		
Suggested Revision Resources	http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		http://www.bbc.co.uk/education/subjects/zng4d2p		
Marking, Assessment, Reporting, Recording	1.Space 2. Acid & Alkalis in Science Assessment Books		3. Food, health & Lifestyle 4. Electricity & Magnetism 5. Christmas Exam in Science Assessment Books		6. Ecosystem Processes in Science Assessment Books		7. Separation Techniques 8. Spring Exam in Science Assessment Books		9. Adaptations & Inheritance in Science Assessment Books		10. Metals & Acids 11. Summer Exam in Science Assessment Books		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessments above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		

HARRYTOWN CATHOLIC HIGH SCHOOL

Biology (Combined) Year 10

	2016 - 2017								
	TERM 1		TERM 2			TERM 3			
	Autumn 1	Autumn 2	Spring 1	Spring 2		Summer 1	Summer 2	Results	
Term Dates	05/09/16 - 20/10/16	31/10/16 - 23/12/16	09/01/17 - 17/02/17	27/02/17 - 07/04/17		24/04/17 - 26/05/17	05/06/17 - 21/07/17		
	7 weeks	8 weeks	6 weeks	6 weeks		5 weeks	7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons	Approx. 12 lessons	Approx. 9 lessons	Approx. 9 lessons		Approx. 7 lessons	Approx. 10 lessons		
Teaching focus 1	**B1 Overarching concepts in Biology:** Microscopes, Plant and animal cells, Specialised cells , Inside bacteria, Enzymes and nutrition, Enzyme action,	**B1 Overarching concepts in Biology:** Enzyme activity, Transporting substances.	**B2 Cells and control:** The nervous system; Neurotransmission speeds;	**B3 Genetics:** Gene mutations; Variation		**B5 Health, disease and the development of medicines**: Health and disease; Non-communicable diseases; Cardiovascular disease; Pathogens; Spreading pathogens	**B5 Health, disease and the development of medicines:** Spreading pathogens; Physical and chemical defences; The immune system; Antibiotics		
Teaching focus 2		**B2 Cells and control:** Mitosis; Growth in animals; Growth in plants; Stem cells; The nervous system	**B3 Genetics:** Meiosis; DNA; Alleles; Inheritance	**B4 Natural selection and genetic modification** Human evolution; Darwin's theory; Classification; Breeds and varieties; Genes in agriculture and Medicine					
Mock (Pre public examination)	In the summer term					**Tuesday 2nd May 2017**. 1 hour Externally marked Biology paper assessing: Topic 1 - Key concepts in Biology Topic 2 - Cells and control Topic 3 - Genetics Topic 4 - Natural selection and genetic modification			
Booster Classes	Tuesday & Thursday after school								
Exam Board	Pearson Edexcel								
Web link to specification	http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-								
Provisional Exam date(s)/Unit code (s)	May-18								
Home learning expectations	Assignments to be completed on www.pearsonactivelearn.com or any worksheets/tasks set for completion at home Minimum 1 per week								
Suggested Revision Resources	www.cgpbooks.com								
	http://www.bbc.co.uk/schools/								
	http://www.s-cool.co.uk/gcse								
	http://www.planet-science.com/cate								
Asesment, Reporting & Recording	**Biology Assessment 1**. (Cells & enzymes Exam questions)	**Biology Assessment 2** (cells, enzymes, transporting substances & growth, exam questions)	**Biology Assessment 3** (cells, enzymes, transporting substances, growth, The nervous system & meiosis exam questions)	**Biology Assessment 4** (cells, enzymes, transporting substances, growth, The nervous system, meiosis, genes & inheritance, evolution & genetic modification exam questions)		**Biology Assessment 5** (cells, enzymes, transporting substances, growth, The nervous system, meiosis, genes & inheritance, evolution, genetic modification' health & disease & spreading pathogens exam questions)	**Biology Assessment 7** (cells, enzymes, transporting substances, growth, The nervous system, meiosis, genes & inheritance, evolution, genetic modification' health & disease, spreading pathogens, non specific & specific defences against pathogens & antibiotics exam questions)		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		

MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16

CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17

MID TERM HOLIDAY 18/02/17 - 26/02/17

EASTER HOLIDAY 08/04/17 - 23/04/17

MID TERM HOLIDAY 27/05/17 - 4/06/17

SUMMER HOLIDAY 22/07/17 -

HARRYTOWN
CATHOLIC HIGH SCHOOL

Chemistry (Combined) Year 10

	2016 - 2017												
	TERM 1				TERM 2				TERM 3				
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus 1	**C1 States of matter:** States of matter		**C3 Atomic structure:** Atomic mass and number; Isotopes		**C7 Types of substance:** Molecular compounds; Allotropes of carbon; Properties of metals; Bonding models;		**C8 Acids:** Looking at acids; Bases and salts; Alkalis and balancing equations; Alkalis and neutralisation; Reactions of acids with metals and carbonates.		**C8 Acids:** Solubility		**C9 Calculations involving masses:** Moles		
Teaching focus 2	**C2 Methods of separating and purifying substances:** Mixtures; Filtration and crystallisation; Paper chromatography; Distillation; Drinking water		**C4 The periodic table:** Elements and the periodic table; Atomic number and the periodic table; Electronic configurations and the periodic table		**C8 Acids:** Acids, indicators and pH				**C9 Calculations** involving masses: Masses and empirical formulae; Conservation of mass		**C10 Electrolytic processes:** Electrolysis; Products from electrolysis;		
Teaching focus 3	**C3 Atomic structure:** Structure of an atom		**C5 Ionic bonding:** Ionic bonds; Ionic lattices; Properties of ionic compounds;										
Teaching focus 4			**C6 Covalent bonding:** Covalent bonding										
Teaching focus 5			**C7 Types of substance:** Molecular compounds										
Mock (Pre public examination)	In the summer term								**Wednesday 3rd May 2017**. 1 hour Externally marked on: Topic 1 - Key concepts in Chemistry Topic 2 - States of matter and mixtures - States of matter Topic 2 - States of matter and mixtures - Methods of separating and purifying substances				
Booster Classes	Tuesday & Thursday after school												
Exam Board	Pearson Edexcel												
Web link to specification	http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-												
Provisional Exam date(s)/Unit code (s)	May-18												
Home learning expectations	Assignments to be completed on www.pearsonactivelearn.com or any worksheets/tasks set for completion at home Minimum 1 per week												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Chemistry Assessment 1** (States of matter & separating mixtures exam questions)		**Chemistry Assessment 2** (States of matter, separating mixtures, atomic structure & periodic table exam questions)		**Chemistry Assessment 3** (States of matter, separating mixtures, atomic structure, periodic table, bonding & types of substance exam questions)		**Chemistry Assessment 4** (States of matter, separating mixtures, atomic structure, periodic table, bonding, types of substance & acids, alkalis, neutralisation reactions exam questions)		**Chemistry Assessment 5** (States of matter, separating mixtures, atomic structure, periodic table, bonding, types of substance & acids, alkalis, neutralisation reactions & reacting masses calculation exam questions)		**Chemistry Assessment 6** (States of matter, separating mixtures, atomic structure, periodic table, bonding, types of substance & acids, alkalis, neutralisation reactions, reacting masses calculations & electrolysis exam questions)		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		

HARRYTOWN
CATHOLIC HIGH SCHOOL

Physics (Combined) Year 10

	2016 - 2017												
	TERM 1				TERM 2				TERM 3				
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17)	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus 1	**P1 Motion:** Vectors and scalars; Distance/time graphs; Acceleration; Velocity/time graphs		**P2 Forces and motion:** Newton's Second Law; Newton's Third Law; Momentum; Stopping distances; Crash hazards		**P3 Conservation of energy:** Stored energies; Non-renewable resources; Renewable resources		**P4 Waves**: Refraction		**P6 Radioactivity:** Atomic models; Inside atoms; Electrons and orbits; Background radiation; Types of radiation; Radioactive decay		**P6 Radioactivity:** Half-life; Dangers of radioactivity		
Teaching focus 2	**P2 Forces and motion:** Resultant forces; Newton's 1st law; Mass and weight; Newton's Second Law		**P3 Conservation of energy:** Energy stores and transfers; Energy stores and transfers; Energy efficiency; Keeping warm		**P4 Waves:** Describing waves; Wave velocity; Refraction		**P5 Light and the electromagnetic spectrum:** Electromagnetic waves; The electromagnetic spectrum; Using the long wavelengths; Using the short wavelengths; EM radiation dangers				**P7 Energy -forces doing work:** Work and power		
Mock (Pre public examination)	In the summer term								**Thursday 4th May 2017**. 1 hour Externally marked on:Topic 1 - Key concepts in Physics Topic 2 - Motion and forces Topic 3 - Conservation of energy Topic 4 - Waves Topic 5 - Light and the electromagnetic spectrum				
Booster Classes	Tuesday & Thursday after school												
Exam Board	Pearson Edexcel												
Web link to specification	http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-												
Provisional Exam date(s)/Unit code (s)	May-18												
Home learning expectations	Assignments to be completed on www.pearsonactivelearn.com or any worksheets/tasks set for completion at home Minimum 1 per week												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Physics Assessment 1** Motion graphs, resultant forces and accleration exam questions		**Physics Assessment 2** Motion graphs, resultant forces, accleration, Action & reaction forces, stopping & crashing & Energy transfers exam questions		**Physics Assessment 3** Motion graphs, resultant forces, accleration, Action & reaction forces, stopping & crashing, Energy transfers, Energy resources & properties of waves exam questions		**Physics Assessment 4** Motion graphs, resultant forces, accleration, Action & reaction forces, stopping & crashing, Energy transfers, Energy resources, properties of waves, Electromagnetic spectrum & uses & dangers of EM waves exam questions		**Physics Assessment 5** Motion graphs, resultant forces, accleration, Action & reaction forces, stopping & crashing, Energy transfers, Energy resources, properties of waves, Electromagnetic spectrum, uses & dangers of EM waves, Atomic structure & radioactivity exam questions		**Physics Assessment 6** Motion graphs, resultant forces, accleration, Action & reaction forces, stopping & crashing, Energy transfers, Energy resources, properties of waves, Electromagnetic spectrum, uses & dangers of EM waves, Atomic structure, radioactivity, Dangers of radioactivity, half life & work & power exam questions		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		

HARRYTOWN CATHOLIC HIGH SCHOOL

Separate Science Year 10

	2016 - 2017												
	TERM 1				**TERM 2**				**TERM 3**				
	Autumn 1		**Autumn 2**		**Spring 1**		**Spring 2**		**Summer 1**		**Summer 2**		**Results**
Term Dates	**05/09/16 - 20/10/16**		**31/10/16 - 23/12/16**		**09/01/17 - 17/02/17**		**27/02/17 - 07/04/17**		**24/04/17 - 26/05/17**		**05/06/17 - 21/07/17**		
	7 weeks		**8 weeks**		**6 weeks**		**6 weeks**		**5 weeks**		**7 weeks**		
Number of lessons	**Approx. 49 lessons**		**Approx. 56 lessons**		**Approx. 42 lessons**		**Approx. 42 lessons**		**Approx. 35 lessons**		**Approx. 49 lessons**		
Teaching focus 1	Microscopes, Plant and animal cells, Specialised cells, Inside bacteria, Enzyme action, Enzyme activity		Transporting substances, Ionic bonds Ionic lattices, Properties of ionic compounds, Covalent bonding, Properties of covalent compounds.		Alkalis and neutralisation, Reactions of acids with metals and carbonates, Reactions of acids with metals and carbonates, Solubility.		Masses and empirical formulae, Conservation of mass, Moles.		Atomic models, Inside atoms, Electrons and orbits, Background radiation, Types of radiation, Radioactive decay, Half-life, Uses of radioactivity, Dangers of radioactivity, Radioactivity in medicine, Nuclear reactions, Nuclear power, Nuclear fusion		Electroplating, Alloying, Uses of metals and their alloys, Yields, Atom economy, Concentrations, Titrations and calculations, Molar volumes of gas, Fertilisers and the Haber process, Factors affecting equilibrium, Chemical cells and fuel cells.		
Teaching focus 2	States of matter, Mixtures, Filtration and crystallisation, Paper chromatography, Distillation, Drinking water		Stopping distances, Braking distance and energy, Crash hazards		Describing waves, Sound waves and hearing, Wave velocity, Refraction, ultrasound & infrasound, uses of us & Is, Total Internal Reflection, colour, lenses.		Electromagnetic waves, The electromagnetic spectrum, Using the long wavelengths, Using the short wavelengths, EM radiation dangers.		Health and disease, Non-communicable diseases, Cardiovascular disease, Pathogens, Spreading pathogens, Virus lifecycles, Plant defences, Plant diseases, Physical and chemical defences, The immune system.		Our solar system, Gravity & orbits, Theories of the universe, Red shift & CMB, Life cycle of stars,		
Teaching focus 3	Vectors and scalars, Distance/time graphs and speed, Acceleration, Acceleration, Velocity/ time graphs, Resultant forces		Mitosis, Growth in animals, Growth in plants, Stem cells,		Sexual and asexual reproduction, Meiosis, DNA, Protein synthesis, Genetic variants and phenotypes, Mendel, Inheritance, Multiple and missing alleles, Gene mutations, Variation .		Human evolution, Darwin's theory, Development of Darwin's theory, Classification, Breeds and varieties, Tissue culture, Genes in agriculture and medicine, GM and agriculture, Fertilisers and biological control.		Transition metals, Corrosion, Electroplating,		Antibiotics, Monoclonal antibodies.		
Teaching focus 4	Enzyme activity, Enzymes and nutrition, Testing foods, Testing foods		Allotropes of carbon, Properties of metals, Bonding				Electrolysis, Products from electrolysis, Reactivity, Ores, Oxidation and reduction, Recycling, Dynamic equilibrium.				Work and power, Objects affecting each other, Vector diagrams, moments,		
Teaching focus 5	Structure of an atom, Atomic mass and number, Isotopes, Elements and the periodic table, Atomic number and the periodic table, Electronic configurations and the periodic table		Energy stores and transfers, Energy efficiency, Keeping warm, Stored energies, Non-renewable resources, Renewable resources								Group 1, Group 7, Halogen reactivity, Group 0		
Teaching focus 6	Newton's First law, Mass and weight, Mass and weight, Newton's Second Law, Newton's Second Law, Newton's Third Law, Momentum		The brain, Brain and spinal cord problems, The nervous system, The eye, Neurotransmission speeds								Photosynthesis, Factors affecting photosynthesis, Absorbing water and mineral ions, Transpiration and translocation.		
Teaching focus 7			Acids, indicators and pH, Looking at acids, Bases and salts, Alkalis and balancing equations,										
Mock (Pre public examination)	In the summer term										**Tuesday 2nd May 2017**. 1 hour Externally marked Biology paper assessing: Topic 1 - Key concepts in Biology Topic 2 - Cells and control Topic 3 - Genetics Topic 4 - Natural selection and genetic modification		
Booster Classes	Tuesday & Thursday after school												
Exam Board	Pearson Edexcel												
Web link to specification	http://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/Edexcel_GCSE_L1-L2_Biology.pdf												
Provisional Exam date(s)/Unit code (s)	May-18												
Home learning expectations	Assignments to be completed on www.pearsonactivelearn.com or any worksheets/tasks set for completion at home Minimum 1 per week												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/gcsebitesize/science/edexcel/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Biology Assessment 1**. Cells, enzymes, enzyme activity and transporting substances exam questions)		**Biology Assessment 2.** Cells, enzymes, enzyme activity, transporting substances, mitosis, growth, the nervous system, sexual & asexual reproduction exam questions)		**Biology Assessment 3.** Cells, enzymes, enzyme activity, transporting substances, mitosis, growth, the nervous system, sexual, asexual reproduction, meiosis, DNA & protein synthesis, inheritance, genetics & mutations exam questions)		**Biology Assessment 4.** Cells, enzymes, enzyme activity, transporting substances, mitosis, growth, the nervous system, sexual, asexual reproduction, meiosis, DNA & protein synthesis, inheritance, genetics, mutations & non infectious diseases exam questions)		**Biology Assessment 5.** Cells, enzymes, enzyme activity, transporting substances, mitosis, growth, the nervous system, sexual, asexual reproduction, meiosis, DNA & protein synthesis, inheritance, genetics, mutations, non infectious diseases, cardiovascular disease, infectious diseases & pathogens, chemical & physical defences and the immune system exam questions)		**Biology Assessment 6.** Cells, enzymes, enzyme activity, transporting substances, mitosis, growth, the nervous system, sexual, asexual reproduction, meiosis, DNA & protein synthesis, inheritance, genetics, mutations, non infectious diseases, cardiovascular disease, infectious diseases ,pathogens, chemical & physical defences, immune system, antibiotics, monoclonal antibodies, photosynthesis & water & mineral transport exam questions)		
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	**MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16**	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	**CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17**	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	**MID TERM HOLIDAY 18/02/17 - 26/02/17**	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	**EASTER HOLIDAY 08/04/17 - 23/04/17**	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	**MID TERM HOLIDAY 27/05/17 - 4/06/17**	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	**SUMMER HOLIDAY 22/07/17 -**	

HARRYTOWN CATHOLIC HIGH SCHOOL

Biology 2 (Additional) Year 11

	2016 - 2017											
	TERM 1			TERM 2				TERM 3				
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	Spring 1	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 2	MID TERM HOLIDAY 18/02/17 - 26/02/17	Summer 1	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 2	MID TERM HOLIDAY 27/05/17 - 4/06/17	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16	09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks	6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons	Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus	**Topic 1 The Building Blocks of Cells:** Plant & animal cells; Inside bacteria; DNA; Extracting DNA; DNA discovery; Genetic engineering; Mitosis & Meiosis; Clones; Stem cells; Protein manufacture		**Topic 1 The Building Blocks of Cells:**Mutations; Enzymes; Enzymes & temperature; Enzyme action	**Topic 2 Organisms & energy:** Organisms and their environment; Investigating the distribution of organisms in an ecosystem		**Topic 3 Common Systems:** Villi; Enzyme concentration; Probiotics & prebiotics		**Revision**				
			Topic 2 Organisms & energy: Aerobic respiration; Investigating the effects of exercise; Anaerobic respiration; Photosynthesis; Factors affecting the rate of photosynthesis; Limiting factors; Water transport; Investigating osmosis	**Topic 3 Common Systems:** Fossils & evolution; Growth; Blood; The heart; The circulatory system; The digestive system; Breaking down food		**Revision**		**Revision**				
Mock (Pre public examination)			On topics studied so far									
Controlled assessment/Unit code(s)	5SA04/01											
Booster Classes	Tuesday & Thursday after school. Other times by appointment											
Exam Board	Edexcel											
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx											
Provisional Exam date(s)/Unit code (s)	Biology 2 (5BI2F/5BI2H) June 2017											
Home learning expectations	1 per week set inb show my homework											
Suggested Revision Resources	www.cgpbooks.com											
	http://www.bbc.co.uk/schools/											
	http://www.s-cool.co.uk/gcse											
	http://www.planet-science.com/cate											
Asessment, Reporting & Recording	**Biology Assessment 1, exam questions on:** The Building Blocks of Cells		**Biology Assessment 2, exam questions on:** The Building Blocks of Cells, enzymes, DNA, aerobic & anaerobic respiration, photosyntheis, water transport & osmosis	**Biology Assessment 3, exam questions on:** The Building Blocks of Cells, enzymes, DNA, aerobic & anaerobic respiration, photosyntheis, water transport & osmosis, distribution of organisms in an ecosystem, Fossils & evolution; Growth; Blood; The heart; The circulatory system; The digestive system		**Biology Assessment 4, exam questions on:** The Building Blocks of Cells, enzymes, DNA, aerobic & anaerobic respiration, photosyntheis, water transport & osmosis, distribution of organisms in an ecosystem, Fossils & evolution; Growth; Blood; The heart; The circulatory system; The digestive system, absorbing food; Enzyme concentration; Probiotics & prebiotics						
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills						

HARRYTOWN CATHOLIC HIGH SCHOOL

Chemistry 2 (Additional) Year 11

	2016 - 2017													
	TERM 1				TERM 2				TERM 3					
	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2		Results	
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17			
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks			
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons			
Teaching focus	**Topic 1 Atomic Structure & the Periodic table:** Mendeleev; Structure of the atom; The modern periodic table; Electron shells		**Topic 2 Ionic compounds & analysis:** Ion tests		**Topic 4 Groups in the periodic table**:Noble gases		**Topic 6 Quantitative Chemistry:** Percentage composition; Yields; Waste & Profit		**Revision**					
	Topic 2 Ionic compounds & analysis: Ionic bonds; Ionic compounds; Properties of ionic compounds; Solubility; Precipitation; Precipitates		**Topic 3 Covalent compounds & separation techniques:** Covalent bonds; Properties of covalent substances; Classifying substances; Miscible or immiscible; Chromatography		**Topic 5 Chemical reactions:** Temperature change investigation; Temperature changes; Rates of reaction PCA; Rates of reaction; Collision theory; Catalysts		**Revision**		**Revision**					
			Topic 4 Groups in the periodic table: Chemical classification; Metallic bonding and transition metals; Alkali metals; Halogens; Displacement reactions of Halogens; More Halogen reactions		**Topic 6 Quantitative Chemistry:** Relative masses; Determine the empirical formula PCA									
Mock (Pre public examination)			On topics studied so far											
Controlled assessment/Unit code(s)	5SA04/01													
Booster Classes	Tuesday & Thursday after school													
Exam Board	Edexcel													
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx													
Provisional Exam date(s)/Unit code (s)	Chemistry 2 (5CH2F/5CH2H) June 2017													
Home learning expectations	1 per week set inb show my homework													
Suggested Revision Resources	www.cgpbooks.com													
	http://www.bbc.co.uk/schools/gcsebitesize/science/edexcel/													
	http://www.s-cool.co.uk/gcse													
	http://www.planet-science.com/cate													
Asessment, Reporting & Recording	**Chemistry Assessment 1, Exam questions on:** Atomic Structure & the Periodic table, Ionic compounds & analysis, Solubility & Precipitation reactions		**Chemistry Assessment 2, Exam questions on:** Atomic Structure & the Periodic table, Ionic compounds & analysis, Solubility & Precipitation reactions, Ion tests, Covalent compounds & separation techniques, Groups in the periodic table		**Chemistry Assessment 3, Exam questions on:** Atomic Structure & the Periodic table, Ionic compounds & analysis, Solubility & Precipitation reactions, Ion tests, Covalent compounds & separation techniques, Groups in the periodic table, Rates of reaction; Collision theory; Catalysts Relative masses; empirical formula		**Chemistry Assessment 4, Exam questions on:** Atomic Structure & the Periodic table, Ionic compounds & analysis, Solubility & Precipitation reactions, Ion tests, Covalent compounds & separation techniques, Groups in the periodic table, Rates of reaction; Collision theory; Catalysts Relative masses; empirical formula, Percentage composition; Yields; Waste & Profit							
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills							

MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16

CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17

MID TERM HOLIDAY 18/02/17 - 26/02/17

EASTER HOLIDAY 08/04/17 - 23/04/17

MID TERM HOLIDAY 27/05/17 - 4/06/17

SUMMER HOLIDAY 22/07/17 -

HARRYTOWN CATHOLIC HIGH SCHOOL

Physics 2 (Additional) Year 11

	2016 - 2017											
	TERM 1				TERM 2				TERM 3			
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus	**Topic 1 Static & Current electricity:** Static Electricity; Uses & dangers of static; Electric currents		**Topic 3 Motion & forces:** Forces; Resultant forces; Investigating force, mass & acceleration; Forces & acceleration; Terminal velocity		**Topic 5 Nuclear fission & nuclear fusion:** Isotopes; Ionising radiation; Nuclear reactions; Nuclear power; Fusion - our future?		**Topic 5 Nuclear fission & nuclear fusion:** Background radiation; Uses of radiation; More uses of radioactivity		Revision				
	Topic 2 Controlling & using electric currents: Current & voltage; Investigating voltage, current & resistance; Changing resistance; Transferring energy		**Topic 4 Momentum, energy, work & power:** Stopping distances; Friction with different surfaces; Momentum; Crumple zones; Momentum & safety; Work & power; Power & kinetic energy		**Topic 6 Benefits & drawbacks of using radioactive materials:** Changing ideas; Nuclear waste; Half-life; Investigating radioactive decay models		Revision		Revision				
	Topic 3 Motion & forces: Vectors & velocity; Acceleration; Velocity-time graphs												
Mock (Pre public examination)			On topics studied so far										
Booster Classes	Tuesday & Thursday after school												
Exam Board	Edexcel												
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx												
Provisional Exam date(s)/Unit code (s)	Physics 2 (5PH2F/5PH2H) June												
Home learning expectations	1 per week set inb show my homework												
Suggested Revision Resources	www.cgpbooks.com http://www.bbc.co.uk/schools/ http://www.s-cool.co.uk/gcse http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Physics assessment 1 Exam questions on:** Static & Current electricity, Controlling & using electric current, Motion & forces		**Physics assessment 2 Exam questions on:** Static & Current electricity, Controlling & using electric current, Motion & forces, mass & acceleration; Forces & acceleration; Terminal velocity, Momentum, energy, work & power		**Physics assessment 3 Exam questions on:** Static & Current electricity, Controlling & using electric current, Motion & forces, mass & acceleration; Forces & acceleration; Terminal velocity, Momentum, energy, work & power, Nuclear fission & nuclear fusion, Benefits & drawbacks of using radioactive materials		**Physics assessment 4 Exam questions on:** Static & Current electricity, Controlling & using electric current, Motion & forces, mass & acceleration; Forces & acceleration; Terminal velocity, Momentum, energy, work & power, Nuclear fission & nuclear fusion, Benefits & drawbacks of using radioactive materials, Nuclear fission & nuclear fusion: Background radiation; Uses of radiation						
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills						

HARRYTOWN CATHOLIC HIGH SCHOOL

Triple Science Core Periods Biology 3 (Biology) Year 11

	2016 - 2017											
	TERM 1				TERM 2				TERM 3			
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus	**Control Systems:** Rythms; Plant defences; Vaccines; Antibodies; The Kidneys; The menstrual cycle; Fertilisation; Sex determination		**Behaviour:** Courtship & parenting; Innate & imprinting behaviour; Learned behaviour; Animal & plant communication; Evidence for human evolution		**Behaviour:** Human migration				**Revision**				
					Biotechnology: Microorganisms for food; Enzyme technology; Global food security; A GM future?		**Revision**		**Revision**				
Mock (Pre public examination)			On topics studied so far in Biology 1, 2 & 3										
Controlled assessment/Unit code(s)	5SA04/01												
Booster Classes	Tuesday & Thursday after school. Other times by appointment												
Exam Board	Edexcel												
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx												
Provisional Exam date(s)/Unit code (s)	Biology 2 (5BI2F/5BI2H) June 2017												
Home learning expectations	1 per week set inb show my homework												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Biology Assessment 1, exam questions on:** The Building Blocks of Cells		**Biology Assessment 2, exam questions on:** The Building Blocks of Cells, enzymes, DNA, aerobic & anaerobic respiration, photosyntheis, water transport & osmosis		**Biology Assessment 3, exam questions on:** The Building Blocks of Cells, enzymes, DNA, aerobic & anaerobic respiration, photosyntheis, water transport & osmosis, distribution of organisms in an ecosystem, Fossils & evolution; Growth; Blood; The heart; The circulatory system; The digestive system		**Biology Assessment 4, exam questions on:** The Building Blocks of Cells, enzymes, DNA, aerobic & anaerobic respiration, photosyntheis, water transport & osmosis, distribution of organisms in an ecosystem, Fossils & evolution; Growth; Blood; The heart; The circulatory system; The digestive system, absorbing food; Enzyme concentration; Probiotics & prebiotics						
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills						

HARRYTOWN CATHOLIC HIGH SCHOOL

Triple Science Option Periods Biology 2 Year 11

	2016 - 2017											
	TERM 1				TERM 2				TERM 3			
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	5 per 10 day cycle. Approx. 17 lessons		Approx. 20 lessons		Approx. 15 lessons		Approx. 15 lessons		Approx. 12 lessons		Approx. 17 lessons		
Teaching focus 1	**Topic 1 The Building Blocks of Cells** : Plant & animal cells; Inside bacteria; DNA; Extracting DNA; DNA discovery; Genetic engineering; Mitosis & Meiosis; Clones; Stem cells; Protein manufacture; Mutations		**Topic 1 The Building Blocks of Cells:** Enzymes; Enzymes & temperature; Enzyme action.		**Topic 3 Common Systems:** Fossils & evolution; Growth; Blood; The heart; The circulatory system; The digestive system; Breaking down food; Villi; Enzyme concentration; Probiotics & prebiotic		**Chemsitry 1 revision**		**Chemistry 2 revision**				
Teaching focus 2			**Topic 2 Organisms & energy:** Aerobic respiration; Investigating the effects of exercise; Anaerobic respiration; Photosynthesis; Factors affecting the rate of photosynthesis; Limiting factors; Water transport; Investigating osmosis; Organisms and their environment; Investigating the distribution of organisms in an ecosystem		**Biology 1 revision**		**Physics 1 revision**		**Physics 2 revision**				
Mock (Pre public examination)			On topics studied so far in Biology 1, 2 & 3										
Controlled assessment/Unit code(s)	5BI04/01												
Booster Classes	Tuesday & Thursday after school. Other times by appointment												
Exam Board	Edexcel												
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx												
Provisional Exam date(s)/Unit code (s)	Biology 3 (5BI3F/5BI3H) June 2017												
Home learning expectations	1 per week set inb show my homework												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/gcsebitesize/science/edexcel/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asesment, Reporting & Recording	**Biology Assessment 1, exam questions on:** Control sysytems		**Mock exams**		**Biology Assessment 2, exam questions on:** Control systems & behaviour		**Biology Assessment 3, exam questions on:** Control systems, behaviour & Biotechnology						
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills						

HARRYTOWN CATHOLIC HIGH SCHOOL

Triple Science Core Periods Chemistry 3 (Chemistry) Year 11

	2016 - 2017											
	TERM 1				TERM 2				TERM 3			
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus 1	**Qualitative analysis: (4 hours)**Water testing; Safe water; Ion identification; Safe limits		**Quantitative analysis:(2 hours):** Acid/alkali titrations, Titration calculations		**Gases, Equlibria & Ammonia:** (3 hours) Molar volumes of gases; Fertilisers and the Haber process; the Haber process		**Organic Chemistry: (1 hour)** Fats, oils & soaps		**Revision**				
Teaching focus 2	**Quantitative analysis:(6 hours)** Water solutes; Hard & soft water; Find the mass of a solute; Particles & moles; Preparing soluble salts 1 & 2		**Electrolysis:** Electrolysis, Electrolysis of NaCl solution; Electrolysis of salts; Electrolysis of copper sulfate solution; uses of electrolysis		**Organic Chemistry: (6 hours)** Fermentation; Alcoholic drinks; Ethanol production; Homologous series; Ethanoic acid; Esters; Fats, oils & soaps		**Revision**		**Revision**				
Mock (Pre public examination)			On topics studied so far in Chemisyty 1, 2 & 3										
Controlled assessment/Unit code(s)	5CH04/01												
Booster Classes	Tuesday & Thursday after school. Other times by appointment												
Exam Board	Edexcel												
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx												
Provisional Exam date(s)/Unit code (s)	Chemistry 3 (5CH3F/5CH3H) June 2017												
Home learning expectations	1 per week set inb show my homework												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Chemsitry Assessment 1,** exam questions on Qualitative & quantitative analysis.		**Mock exams**		**Chemsitry Assessment 2,** exam questions on Qualitative, quantitative analysis, Electrolysis & Gases		**Chemsitry Assessment 3,** exam questions on Qualitative, quantitative analysis, Electrolysis , Gases, ammonia & organic chemistry						
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills						

HARRYTOWN CATHOLIC HIGH SCHOOL

Triple Science Core Periods Physics 3 (Physics) Year 11

	2016 - 2017												
	TERM 1				TERM 2				TERM 3				
	Autumn 1	MID TERM HOLIDAY (INSET Day 21/10/16) 24/10/16 - 28/10/16	Autumn 2	CHRISTMAS HOLIDAY 24/12/2016 - 08/1/17 (INSET Days 5/1/17 & 6/1/17	Spring 1	MID TERM HOLIDAY 18/02/17 - 26/02/17	Spring 2	EASTER HOLIDAY 08/04/17 - 23/04/17	Summer 1	MID TERM HOLIDAY 27/05/17 - 4/06/17	Summer 2	SUMMER HOLIDAY 22/07/17 -	Results
Term Dates	05/09/16 - 20/10/16		31/10/16 - 23/12/16		09/01/17 - 17/02/17		27/02/17 - 07/04/17		24/04/17 - 26/05/17		05/06/17 - 21/07/17		
	7 weeks		8 weeks		6 weeks		6 weeks		5 weeks		7 weeks		
Number of lessons	3 per 10 day cycle. Approx. 10 lessons		Approx. 12 lessons		Approx. 9 lessons		Approx. 9 lessons		Approx. 7 lessons		Approx. 10 lessons		
Teaching focus 1	**Radiation in medicine (10 hours):** Radiation in medicine; How eyes work; Sight problems; Investigate object distance & Image distance; Different lenses; Reflection & refraction; Total internal reflection; Investigating the critical angle; Critical angle; usiing reflection & refraction		**X rays & ECGs (4 hours):** X rays; Using X rays; ECGs & Pulse oximetry		**Motion of particles (4 hours):** Collaboration & circular motion; Collicions; Collisions; PET Scanners;		Revision		Revision				
Teaching focus 2			**Production, uses & risks of Ionising radiation (8 hours):** Beta & positron radiation; Alpha & gamma; The stability curve; Quarks; Dangers of ionising radiation; Radiation in hospitals.		**Kinetic theory & Gases: (4 hours)** Kinetic theory; Temperature & volume; Volume & pressure; Calculating volumes & pressures		Revision		Revision				
Mock (Pre public examination)			On topics studied so far in Physics 1, 2 & 3										
Controlled assessment/Unit code(s)	5SA04/01												
Booster Classes	Tuesday & Thursday after school. Other times by appointment												
Exam Board	Edexcel												
Web link to specification	http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx												
Provisional Exam date(s)/Unit code (s)	Physics 3 (5PH3F/5PH3H) June 2017												
Home learning expectations	1 per week set inb show my homework												
Suggested Revision Resources	www.cgpbooks.com												
	http://www.bbc.co.uk/schools/												
	http://www.s-cool.co.uk/gcse												
	http://www.planet-science.com/cate												
Asessment, Reporting & Recording	**Physics Assessment 1**: Exam questions on Radiation in medicine		Mocks		**Physics Assessment 2**: Exam questions on Radiation in medicine, X rays & ECGs & Ionising radiation		**Physics Assessment 2**: Exam questions on Radiation in medicine, X rays & ECGs, Ionising radiation, Motion of particles & Kinetic theory						
Feedback on: N.B. Pupils are expected to respond to this feedback by improving their work as directed in purple pen and have this assessment signed by you	Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills		Written feedback will be given on the assessment above and will address: Expected subject knowledge. Application of Subject knowledge. Practical skills. Literacy. Maths skills						