Aims

1. Top 20% of similar schools
2. Teaching is good
3. 90% no behaviour codes
4. Attendance above 95%

Beckfoot Thornton

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Priorities

1. Challenge in teaching
2. Approach to learning
3. Student leadership
4. Middle leadership
5. Reading
6. Sixth form

GCSE Combined Science – Y11 2018-2019

4 lessons per week – 2 per staff member

Week	36	37	38	39
W/C Date	25-Jun	2-Jul	9-Jul	16-Jul
Teacher 1 Topic	Exam Preparation Paper 1 revision			
Key Objectives	Exam Skills using PPQS	Exam Skills using PPQS	Green Pen Week 2 intervention Lessons Biology paper	Green Pen Week 2 intervention Lessons Chem Paper
Assessment	Bio/Phys Mock	Chem Mock	Exam Feedback	
Req Pracs				
Teacher 2 Topic	Exam Preparation Paper 1 revision			
Key Objectives	Exam Skills using PPQS	Exam Skills using PPQS	Green Pen Week2 intervention Lessons Physics Paper	Green Pen Week 2 intervention Lessons Chem Paper
Assessment	Bio/Phys Mock	Chem Mock	Exam Feedback	
Homework				
Req Pracs	RP Energy Changes			

Department **Year 11 grades 3-8 long term plan**

	Assessment weeks
	Moderation week
	Data Capture
	STAR marking
	Exit Poll
	Required Practical Opportunities

Topic to be covered:

Year 11 Focus is P2 topics and revision of Paper.

November mocks are full Combined Science Paper 1 from June 2018.

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
W/C Date	03-Sep	10-Sep	17-Sep	24-Sep	01-Oct	08-Oct	15-Oct		29-Oct	05-Nov	12-Nov	19-Nov	26-Nov	03-Dec	10-Dec	17-Dec		
Teacher 1 Topic	INHERITANCE AND VARIATION, EVOLUTION (L1-14)									Paper 1 revision	Mocks Full Science Paper 1		Green Pen Week	Chemical Analysis (L1-5)				
Key Objectives	L1 Types of Reproduction L2 Meiosis	L3 DNA and genome. L4 Genetic Inheritance(1)	L5 Genetic Inheritance(2) L6 Inherited Disorders	L7 Sex Determination L8 Variation causes	L9 – Selective Breeding L10 Evolution	L11- Evidence for evolution L12 Fossils and extinction	L13 Antibiotic Resistance L14 Classification		Inheritance and Variation End of Unit Test	Identified from students Y10 QLA	Revision for Mocks if students in Lessons.			L1 Pure substances L2 Formulations	L3/4 RP 12 Chromatography	L5 testing for gases and CMP 1		
Assessment			CMP 1	Green Pen CMP1		CMP 2	Green Pen CMP2								CMP 1	Green Pen CMP1		
Req Pracs															RP 12 Paper Chromatography and Rf Calcs			
Teacher 2 Topic	Rates of Reaction (L1 - 12)								Paper 1 Revision		Mocks Full Science Paper 1		Green Pen Week	Waves (L1-5)				
Key Objectives	L1a/1b Measuring the rate of reaction L1c The Collision Theory	L2/3 Effect of temperature/ Concentration on the rate of reaction.	L4/5 – Effect of Surface Area and catalysts on rate of reaction.	L6-7 Spend 3 lessons on RP11a and RP11b	L8 Reversible reactions L9/10 HT – Le Chatalier incl lesson on modelling PPQs	Revision and modelling PPQs	Rates of Reaction End of Unit Test		Identified from students Y10 QLA		Revision for Mocks if students in Lessons.			L1-3 Wave properties and calculations	L4/5 RP 20	L6 - Waves L10 – EM waves and uses		
Assessment		Rates CMP 1	Green Pen CMP1		Rates CMP 2	Green Pen CMP2								RP 20 Ripple Tank		Waves CMP1		
Req Pracs	RP 11 Investigate the effect of concentration on the rate of reaction.																	
Homework																		

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Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Week	07-Jan	14-Jan	21-Jan	28-Jan	04-Feb	11-Feb		25-Feb	04-Mar	11-Mar	18-Mar	25-Mar	01-Apr	08-Apr		
W/C Date	Organic Chemistry (L1-6)			Chemistry of the Atmosphere (L1-8)				Mocks Full Science Paper 2		Green Pen Week	ECOLOGY (L1-8)					
Teacher 1 Topic	L1 Hydrocarbons L2a Fractional Distillation	L2 Alkanes L3 Alkenes	L5 Combustion L6 Cracking	L1/2 Composition & evolution of Atmosphere L3 Greenhouse effect/GW	L4 Carbon footprints L5 Complete and incomplete combustion.	L6 Air pollution L7 Assessment		Revision for Mocks if students in Lessons.			L1 Intro to organisation L2 abiotic and biotic factors	L3 Adaptations L4 Levels of organisation	L5 Cycles in Biology L6 Biodiversity	L7 Impact of humans. L8 Assessment		
Key Objectives			CMP 1/ Organic Test			Atmosphere Assessment								Ecology Assessment		
Assessment																
Req Pracs											RP 7 Measuring species in a habitat.					
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
W/C Date	07-Jan	14-Jan	21-Jan	28-Jan	04-Feb	11-Feb		25-Feb	04-Mar	11-Mar	18-Mar	25-Mar	01-Apr	08-Apr		
Teacher 2 Topic	Waves (L6-11)			Electromagnetism (L1-6)				Mocks Full Science Paper 2		Green Pen Week	RESOURCES (L1-5)					
Key Objectives	L12 - Refraction	L19-20 RP 21	Revision and modelling PPQs	L1 Magnets L2 Magnetic Fields	L3 Flemings LH Rule (HT) L4 Motor Effect (HT)	Revision and Assessment		Revision for Mocks if students in Lessons.			L1 Water L2 RP13	L3 Waste Water Treatment L4 Bioleaching/ Phytomining	L5 LCA L6 Recycling and resources.	Resources end of unit Assessment		
Assessment	**Green Pen CMP1**	Waves CMP2	**Green Pen CMP1**			Electromagnets Assessment										
Homework																
Req Pracs	RP 21 Investigating IR Radiation										RP 13 Analysis and purification of water					

Week	35	36	37	38	39	40	41	42	43	44	45	46	
W/C Date	29-Apr	06-May	13-May	20-May		03-Jun	10-Jun	17-Jun	24-Jun	01-Jul	08-Jul	15-Jul	
Teacher 1 Topic													
Key Objectives													
Assessment				Exit Data									
Homework													
Req Pracs													
Teacher 2 Topic													

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Key Objectives													
Assessment				Exit Data									
Homework													
Req Pracs													