



Monday 9th January 2017

Dear Parents/Carers,

Re: St Edmund's GCSE Science Revision Programme

To support your daughter in maximising her potential in her upcoming Science GCSE examinations we are providing a comprehensive programme of after school revision sessions.

All teaching content for GCSEs will be covered during curriculum time in lessons. The after school sessions are designed to help students in areas of the courses they need extra support with. They are not extra lessons. Students should not be attending all sessions! Your daughter should look carefully at the topics and prioritise attending those where she feels her understanding may be weak. In advance of coming to the session, students should have read the relevant sections in their revision guides. Specific questions about the topic would be welcomed by the teacher at the sessions.

The revision programme will be staffed by Science teachers, who may or may not be your daughter's teacher. To ensure content is at the appropriate level, we have outlined whether sessions are aimed at A/A* or C grade content. The sessions may be liable change in some circumstances, however we will endeavour to keep to the time table provided.

- Unit 1 content (prefixed by B1, C1, P1) is relevant to students studying Core and Additional Science (sometimes called double Science) and Separate Sciences.
- Unit 2 content (prefixed by B2, C2, P2) is relevant to students studying Core and Additional Science and Separate Sciences.
- Unit 3 content (prefixed by B3, C3, P3) is relevant to students studying Separate Sciences only.
- Additional Applied sessions are relevant to students studying Additional Applied Science (and will include their Core Science content).

I would ask that you remind your daughter she will need to take her own scientific calculator to all Science examinations and all Science lessons. In order to be able to use the functions on these calculators confidently in exams, students must be practising with them now.

I have attached the useful information leaflet provided to all parents and carers at the October 2016 Year 11 Parent Information Evening. It details ways in which you can support your daughter in Science and where additional resources and information can be found.

Should you have a query about your daughter's progress in Science, please contact her Science teacher(s).

Yours faithfully,

Mrs K Evans
Subject Leader for Science

Year 11 Science – GCSE Revision Programme

Date	Day	Group aimed at	Room	Topics
09/01/2017	Monday	A/A* Chemistry Revision	40	C1 - Atoms, elements, periodic table, balancing equations
	Monday	C/D Chemistry Revision	35	C1 - Atoms, elements, periodic table, balancing equations
	Tuesday	A/A* Physics Revision	39	P1 - Heat transfer (conduction, convection, radiation), kinetic theory, SHC
	Tuesday	C/D Physics Revision	38	P1A - Energy
	Wednesday	C/D Biology Revision	40	B1 - Diet, health, lifestyle, disease
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Friday	A/A* Biology Revision	37	B1 - Diet, health, lifestyle, disease
16/01/2017	Monday	A/A* Chemistry Revision	40	C1 - Rocks, metals, alloys
	Monday	C/D Chemistry Revision	35	C1 - Rocks, metals, alloys
	Tuesday	A/A* Physics Revision	39	P1 - Energy efficiency in the home, Efficiency of machines
	Wednesday	C/D Biology Revision	40	B1 - Fighting disease & Nervous system & Homeostasis
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Thursday	A/A* Biology Revision	37	B1 - Fighting disease & Nervous system & Homeostasis
23/01/2017	Monday	A/A* Chemistry Revision	40	C1 - Crude oil (including fractional distillation, alkanes, alkenes, polymerisation)
	Monday	C/D Chemistry Revision	35	C1 - Crude oil (including fractional distillation, alkanes, alkenes, polymerisation)
	Tuesday	A/A* Physics Revision	39	P1 - Electricity costs, electricity, National Grid, Energy sources, power stations
	Tuesday	C/D Physics Revision	38	P1B - Electricity and Waves
	Wednesday	C/D Biology Revision	40	B1 - Plant hormones, Drugs
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Friday	A/A* Biology Revision	37	B1 - Plant hormones, Drugs
30/01/2017	Monday	A/A* Chemistry Revision	40	C1 - Oils, emulsions & Earth structure and atmosphere
	Monday	C/D Chemistry Revision	35	C1 - Oils, emulsions & Earth structure and atmosphere
	Tuesday	A/A* Physics Revision	39	P1 - Waves
	Wednesday	C/D Biology Revision	40	B1 - Adaptions, Competition, Biomass, Decay, Carbon Cycle
	Thursday	A/A* Biology Revision	37	B1 - Adaptions, Competition, Biomass, Decay, Carbon Cycle
06/02/2017	Monday	A/A* Chemistry Revision	40	C2 - Compounds, isotopes, 3 types of bonding
	Monday	C/D Chemistry Revision	35	C2 - Compounds, isotopes, 3 types of bonding
	Tuesday	A/A* Physics Revision	39	P1 - Origin of the Universe
	Tuesday	C/D Physics Revision	38	P2A - Forces and their effects
	Wednesday	C/D Biology Revision	40	B1 - Variation, genes, Evolution, cloning, genetic engineering
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Friday	A/A* Biology Revision	37	B1 - Variation, genes, Evolution, cloning, genetic engineering
Half term				
20/02/2017	Monday	A/A* Chemistry Revision	40	C2 - Relative formula mass, Yields, Reversible reactions, Chem. analysis and instrumental methods
	Monday	C/D Chemistry Revision	35	C2 - Relative formula mass, Yields, Reversible reactions, Chem. analysis and instrumental methods
	Tuesday	A/A* Physics Revision	39	P2 - Velocity & D/T graphs, Forces
	Wednesday	C/D Biology Revision	40	B2 - Cells, Diffusion
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Thursday	A/A* Biology Revision	37	B2 - Cells, Diffusion

27/02/2017	Monday	A/A* Chemistry Revision	40	
	Monday	C/D Chemistry Revision	35	
	Tuesday	A/A* Physics Revision	39	P2 - Stopping distances, work, potential energy, kinetic energy, power
	Tuesday	C/D Physics Revision	38	P2B - Electricity and the Atom
	Wednesday	C/D Biology Revision	40	B2 - Plant structure & photosynthesis
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Friday	A/A* Biology Revision	37	B2 - Plant structure & photosynthesis
06/03/2017	Monday	A/A* Chemistry Revision	40	C2 - Rates of Reaction and Collision theory
	Monday	C/D Chemistry Revision	35	C2 - Rates of Reaction and Collision theory
	Tuesday	A/A* Physics Revision	39	P2 - Momentum and collisions, car design and safety
	Wednesday	C/D Biology Revision	40	B2 - Enzymes
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Thursday	A/A* Biology Revision	37	B2 - Enzymes
13/03/2017	Monday	A/A* Chemistry Revision	40	C2 - Acids and Alkalis, reactions, making salts
	Monday	C/D Chemistry Revision	35	C2 - Acids and Alkalis, reactions, making salts
	Tuesday	A/A* Physics Revision	39	P2 - Static, circuits (V, I, R, parallel, series)
	Tuesday	C/D Physics Revision	38	P3A - Medical applications of Physics
	Wednesday	C/D Biology Revision	40	B2 - DNA, mitosis, meiosis, genetic diagrams and disorders
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Friday	A/A* Biology Revision	37	B2 - DNA, mitosis, meiosis, genetic diagrams and disorders
20/03/2017	Monday	A/A* Chemistry Revision	40	C2 - Electrolysis
	Monday	C/D Chemistry Revision	35	C2 - Electrolysis
	Tuesday	A/A* Physics Revision	39	P2 - Mains electricity, power, energy
	Wednesday	C/D Biology Revision	40	B2 - Fossils, extinction and speciation
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Thursday	A/A* Biology Revision	37	B2 - Fossils, extinction and speciation
27/03/2017	Monday	A/A* Chemistry Revision	40	C3 - History of periodic table, group 1, 7, & transition metals
	Monday	C/D Chemistry Revision	35	C3 - History of periodic table, group 1, 7, & transition metals
	Tuesday	A/A* Physics Revision	39	P2 - Radioactivity, Fission, Fusion and Stars
	Tuesday	C/D Physics Revision	38	P3B - Forces and Electromagnetism
	Wednesday	C/D Biology Revision	40	B3 - Osmosis, Diffusion, Active transport
	Thursday	Additional Applied Revision	40 or 35	Additional Applied Revision
	Friday	A/A* Biology Revision	37	B3 - Osmosis, Diffusion, Active transport
03/04/2017	Monday	A/A* Chemistry Revision	TBC	C3 - Hardness of water, water quality, reversible reactions, Haber process
	Monday	C/D Chemistry Revision	TBC	C3 - Hardness of water, water quality, reversible reactions, Haber process
	Tuesday	A/A* Physics Revision	TBC	P3 - X-rays and ultrasound, refractive index, total internal reflection
	Wednesday	C/D Biology Revision	TBC	B3 - Circ. System, homeostasis & kidneys
	Thursday	Additional Applied Revision	TBC	Additional Applied Revision
	Thursday	A/A* Biology Revision	TBC	B3 - Circ. System, homeostasis & kidneys
EASTER HOLIDAYS				
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24/04/2017	Monday	A/A* Chemistry Revision	TBC	C3 - Alcohols, Carboxylic acids, Esters
	Monday	C/D Chemistry Revision	TBC	C3 - Alcohols, Carboxylic acids, Esters
	Tuesday	A/A* Physics Revision	TBC	P3 - Lenses, images, magnification, the eye, correcting vision
	Wednesday	C/D Biology Revision	TBC	B3 - Human impact, Greenhouse effect, Climate change
	Thursday	Additional Applied Revision	TBC	Additional Applied Revision
	Friday	A/A* Biology Revision	TBC	B3 - Human impact, Greenhouse effect, Climate change
01/05/2017	Monday	BANK HOLIDAY	TBC	

	Monday	BANK HOLIDAY	TBC	
	Tuesday	A/A* Physics Revision	TBC	P3 - Turning forces, moments, hydraulics and circular motion
	Wednesday	C/D Biology Revision	TBC	B3 - Biogas and food production
	Thursday	Additional Applied Revision	TBC	Additional Applied Revision
	Thursday	A/A* Biology Revision	TBC	B3 - Biogas and food production
08/05/2017	Monday	A/A* Chemistry Revision	TBC	C3 - Moles, Titrations, tests for positive and negative ions
	Monday	C/D Chemistry Revision	TBC	C3 - Moles, Titrations, tests for positive and negative ions
	Tuesday	A/A* Physics Revision	TBC	P3 - Magnetic fields, motors and transformers
	Wednesday	C/D Biology Revision	TBC	Drop-in
	Thursday	Additional Applied Revision	TBC	Additional Applied Revision
	Friday	A/A* Biology Revision	TBC	
15/05/2017	Monday	A/A* Chemistry Revision	TBC	C3 - Energy and fuels
	Monday	C/D Chemistry Revision	TBC	C3 - Energy and fuels
	Thursday	Additional Applied Revision	TBC	Additional Applied Revision
	Thursday	A/A* Biology Revision	TBC	