Ellesmere Park High School
Enriching Lives, Inspiring Ambitions

Science - 11Y1 - Mr Franklin - Year 11 Precision Planning

Week starting	Topic(s) to cover	Lessons	Homework set revision topics set (taken directly from the revision to-do list)	Period 6 Intervention	Weekend masterclass (only if invited)
4th March Week A	B6 – Inheritance, Variation & Evolution.	L1 – Sexual vs Asexual reproduction L2 – DNA structure L3 – Inheritance vocabulary L4 – How to draw and interpret Punnett squares (genetic disease). L5 - Variation and evolution (natural selection)	Read through the Biology glossary and highlight any keywords you are unsure of or cannot recall the scientific meaning for. Create a flashcard for each with the keyword on one side and the scientific definition on the other. Keep these together in a plastic wallet or hole-punch and keep together with a treasury tag. Complete the Biology Paper 1 2018 past paper, without looking at your notes. Once you've finished, go back through it with your notes to see if you can answer any more in a different coloured pen. Then, check your answers using the mark scheme (or ask your teacher to mark it.) How could you develop your exam technique and subject knowledge further?	C3 – Quantitative Chemistry (area for improvement from mocks)	Equations (9th March)
11th March Week B	B6 – Inheritance, Variation & Evolution.	L1 – Selective Breeding L2 – Genetic Engineering L3 – Evidence for evolution (fossils) and extinction L4 – Resistant bacteria	Read through the Chemistry glossary and highlight any keywords you are unsure of or cannot recall the scientific meaning for. Create a flashcard for each with the keyword on one side and the scientific definition on the other. Keep these together in a plastic wallet or hole-punch and keep together with a treasury tag. Complete the Chemistry Paper 1 2018 past paper, without looking at your notes. Once you've finished, go back through it with your notes to see if you can answer any more in a different coloured pen. Then, check your answers using the mark scheme (or ask your teacher to mark it.) How could you develop your exam technique and subject knowledge further?	P5 – Forces (area for improvement from mocks)	N/A
18th March- A (Art photog exams)	B6 – Inheritance, Variation & Evolution. C7 – Organic chemistry. C8 – Chemical analysis.	L1 – Classification of organisms (B6) L2 – Hydrocarbons and alkanes (C7) L3 – Crude oil and fractional distillation (C7) L4 – Cracking and alkenes (C7) L5 – Pure substances vs formulations (C8)	Read through the Physics glossary and highlight any keywords you are unsure of or cannot recall the scientific meaning for. Create a flashcard for each with the keyword on one side and the scientific definition on the other. Keep these together in a plastic wallet or hole-punch and keep together with a treasury tag. Complete the Physics Paper 1 2018 past paper, without looking at your notes. Once you've finished, go back through it with your notes to see if you can answer any more in a different coloured pen. Then, check your answers using the mark scheme (or ask your teacher to mark it.) How could you develop your exam technique and subject knowledge further?	Biology Paper 1 Required Practicals	Percentage calculations and rates (23rd March)
25th March- B (closed Friday) Week B (Art/Photog exams)	C8 – Chemical analysis. C9 - Chemistry of the atmosphere.	L1 – Chromatography (C8) L2 – Gas tests (C8) L3 – How Earth's atmosphere has changed (C9) L4 – Climate change (C9)	Go through the topic checklists for Biology Paper 2 (B5 Homeostasis to B7 Ecology), Chemistry Paper 2 (C6 Rate and extent of chemical change to C10 Using resources) and Physics Paper 2 (P5 Forces to P7 Magnetism and electromagnetism.) What do you remember? What do you need to go back over? What do you never remember learning about? What haven't you covered yet (you will likely still be finishing the last couple of topics.) Take notes to make it clear where you should focus your attention in the run-up to exams. Continue testing yourself/a friend with your vocabulary flashcards.	Chemistry Paper 1 Required Practicals	Drawing graphs (30th March) Interpreting graphs (13th April)
Easter School Interventions					
15th April Week A	C9 - Chemistry of the atmosphere. C10 - Using resources.	L1 – Carbon footprint and how humans contribute towards climate change (C9) L2 – Pollutants (C9) L3 – Potable water (C10) L4 – Wastewater treatment (C10) L5 – Extracting metals. (C10)	Review the knowledge organisers for the following units: B5, B6, C6, C7 and P5. Using these (as well as your revision guide and other revision materials) complete a 'show what you know' for each topic. Try and summarise the most important information onto 1 side of A4. Use highlighters/colours/diagrams to help information stand out. Re-watch the Biology required practical activities using the YouTube Playlist on the Command Centre and try and write a suitable method without looking through your notes. Continue testing yourself/a friend with your vocabulary flashcards.	Physics Paper 1 Required Practicals	Biology Paper 1 Required Practicals (20th April)
22nd April Week B	C10 - Using resources. P7 – Magnets and electromagnetism.	L1 – Life-cycle assessments. (C10) L2 – Reduce, Reuse, Recycle. (C10) L3 – Magnets and Magnetic fields (P7) L4 – Electromagnetism and the right-hand rule (P7)	Review the knowledge organisers for the following units: B7, C8, C9 and P6. Using these (as well as your revision guide and other revision materials) complete a 'show what you know' for each topic. Try and summarise the most important information onto 1 side of A4. Use highlighters/colours/diagrams to help information stand out. Re-watch the Chemistry required practical activities using the YouTube Playlist on the Command Centre and try and write a suitable method without looking through your notes. Continue testing yourself/a friend with your vocabulary flashcards.	Biology Paper 2 Required Practicals	N/A

29th April Week A	P7 – Magnets and electromagnetism. B7 – Ecology.	L1 – The motor effect (Fleming's left-hand rule) (P7) L2 – Magnetic flux density equation (P7) L3 – Communities, ecosystems, and competition (B7) L4 – Biotic and abiotic factors (B7) L5 – Adaptations (B7)	Review the knowledge organisers for the following units: C10 and P7. Using these (as well as your revision guide and other revision materials) complete a 'show what you know' for each topic. Try and summarise the most important information onto 1 side of A4. Use highlighters/colours/diagrams to help information stand out. Re-watch the Physics required practical activities using the YouTube Playlist on the Command Centre and try and write a suitable method without looking through your notes. Continue testing yourself/a friend with your vocabulary flashcards.	Chemistry Paper 2 Required Practicals	Chemistry Paper 1 Required Practicals (4th May)
6th May (Bank Holiday Monday) Week B	B7 – Ecology.	L1 – Food chains, including predator-prey cycles (B7) L2 – Estimating population size of a species (sampling techniques) (B7) L3 – The carbon cycle (B7) L4 – What is biodiversity, what reduces it and how do we maintain it? (B7)	Complete the Biology Paper 2, Chemistry Paper 2, and Physics Paper 2 2018 past papers, without looking at your notes. Once you've finished, go back through it with your notes to see if you can answer any more in a different coloured pen. Then, check your answers using the mark schemes (or ask your teacher to mark it.) How could you develop your exam technique and subject knowledge further? Continue testing yourself/a friend with your vocabulary flashcards.	Physics Paper 2 Required Practicals	Physics Paper 1 Required Practicals (11th May)