

Week Beginning 19th April 2021

Paper 1a

Topic	Revision Pack Link (Learn and Apply Section) - Unless stated otherwise, use the youtube videos)
Cell Structure	Cells & Microscopes
Magnification	Cells & Microscopes
Transport	Transport
Preparing a Slide	https://www.bbc.co.uk/bitesize/guides/z9hyvcw/revision/2
DNA Structure (Essay)	DNA
Electronic Configuration	Atomic Structure
Subatomic Particle Properties	Atomic Structure
Isotopes	Atomic Mass & Isotopes
Electrolysis & Gas Testing	https://www.youtube.com/watch?v=pesU-dxK-Yk You will also need to look here: https://www.bbc.co.uk/bitesize/guides/zgn8b82/revision/2
Radioisotopes	Types of Radiation
Calculating Half-Life	Half-Life
Radioactive sources & Safety	Dangers of Radioactivity

Week Beginning 19th April 2021

Paper 1b

Topic	Revision Pack Link (Learn and Apply Section) - Unless stated otherwise, use the youtube videos)
Transport	Transport
Enzymes	Enzymes Lock & Key
Digestive Enzymes	https://www.youtube.com/watch?v=9M3jzlbf5k&t=701s (Just this part - not whole video, the rest is not part of your curriculum)
Recycling Metals	https://www.bbc.co.uk/bitesize/guides/zcqt4qt/revision/5
Extracting Metals	Extracting and Using Metals
Balancing Equations	https://www.youtube.com/watch?v=nrVVSIOZc8Q
Percentage Calculations	No Resource (Transferrable Skill - same as maths) Ask teacher for guidance if unsure
Empirical Formula Calculation	Empirical Formula
F=ma Calculation	https://www.bbc.co.uk/bitesize/guides/zsvxdxs/revision/2
Calculating Speed	Motion Graphs
Vector & Scalar Values	Vector and Scalar
Calculating Acceleration	Acceleration
Velocity-Time Graphs	Motion Graphs
Stopping Distances* (Essay Question)	Stopping Distances

Week Beginning 24th May 2021

Paper 2a

Topic	Revision Pack Link (Learn and Apply Section) - Unless stated otherwise, use the youtube videos)
Wiring a plug safety	Electrical Safety
Current & Charge	Electrical Circuits
Transformer Calculations	Transformers
Circuit Diagrams	Electrical Circuits
Ohm's Law Calculations	Resistance
Electrical Power Calculations	Electrical Power
Calculating Energy Transfer	Electrical Power
Writing word equations	https://www.bbc.co.uk/bitesize/guides/ztkp7p3/revision/4
Conservation of mass	Core Skill - Balancing Equations
Measuring Energy Changes	Rates of Reaction (Youtube Video 2)
Reaction Profile Graphs	Rates of Reaction (Youtube Video 2)
Electronic Configurations	Atomic Structure
Atomic Structure	Atomic Structure
Group Numbers	Periodic Table
Simple Molecule Properties	Molecular Compounds
Balancing Simple Equations	Core Skill - Balancing Equations
Groups 1 & 7 Properties	Group 1 - Alkali Metals Group 7 - The Halogens
Sampling Techniques	B2 Sampling Techniques (EDEXCEL) - YouTube
Expressing Probability	In Class
Estimating Population Size	B2 Sampling Techniques (EDEXCEL) - YouTube
Mean Calculations	In Class
Animal & Plant Cells	Cells & Microscopes

Percentage Difference	In Class
* Photosynthesis - Required Practical (Essay)	Photosynthesis - from 13 min onwards

Week Beginning 24th May 2021

Paper 2b

Topic	Revision Pack Link (Learn and Apply Section) - Unless stated otherwise, use the youtube videos)
The Heart	The Heart
Blood Vessels	Circulatory System
Glucoregulation & Diabetes	Blood-Glucose Regulation Diabetes
Body Mass Index	Diabetes
Respiration & Exercise	Respiration
Free Body Diagrams	Forces & Their Effects (Youtube Video 1)
Forces & Elasticity	Extension & Energy Transfer
Volume of Solids	Density
Calculating Density	Density
Standard Form	CORE SKILLS → Standard Form
Specific Heat Capacity (RP)	Specific Heat Capacity
Litmus Paper	Acids & Bases or bitesize indicators link
Dot & Cross - Covalent	Covalent bonding
Displacement Reactions	Group 7 - Halogens
Ionic Compound Properties	Ionic Bonding
Simple Molecule Properties	Molecular Compounds
Rates of Reaction	Rates of Reaction (Youtube Video 1)
*How acid concentration affects rate of reaction - (RP) (Essay)	Rates of Reaction (Youtube Video 1)