



Year 8 Revision Information – May 2026

Subject	Revision Information												
Mathematics	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: #f4cccc;">Year 8 Revision List</th> </tr> </thead> <tbody> <tr> <td style="background-color: #f4cccc;">Angle Properties</td> <td>G13, G16, G17, G18, G19</td> </tr> <tr> <td style="background-color: #f4cccc;">Data</td> <td>S4, S6, S7, S10a</td> </tr> <tr> <td style="background-color: #f4cccc;">Proportional Reasoning</td> <td>R1a, R1b, R5a, R5b, R8 (GCSE – 39, 165b)</td> </tr> <tr> <td style="background-color: #f4cccc;">Fractions</td> <td>N23a, N23b, N23c, N32, N35, N41, N42a, N2a (GCSE – 76)</td> </tr> <tr> <td style="background-color: #f4cccc;">Negative Numbers</td> <td>N18, N19a, N19b</td> </tr> </tbody> </table>	Year 8 Revision List		Angle Properties	G13, G16, G17, G18, G19	Data	S4, S6, S7, S10a	Proportional Reasoning	R1a, R1b, R5a, R5b, R8 (GCSE – 39, 165b)	Fractions	N23a, N23b, N23c, N32, N35, N41, N42a, N2a (GCSE – 76)	Negative Numbers	N18, N19a, N19b
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English	<p>Year 8 Knowledge: Vocabulary, poetic devices, structural methods, narrative structures, key poetry forms and terminology, journalism vocabulary and methods, Julius Caesar themes and characters.</p> <p>Year 8 Non-Fiction Writing (Journalism): Writing for a specific audience and purpose; using journalistic structure; including a range of persuasive and informative methods; using ambitious vocabulary; writing with accurate spelling, punctuation and grammar.</p> <p>Year 8 Analytical Writing (Julius Caesar): Making clear points that link to the question; selecting and embedding relevant evidence; identifying and explaining language methods; analysing effects of and zooming in on word choices.</p>												
Science	<p>This assessment will cover all topics studied in Year 7 & Year 8</p> <p>To prepare, use the links below for Seneca, BBC Bitesize, your knowledge organisers, and Revision Monkey.</p> <p><u>Topics Covered</u></p> <p>Y7 Biology - Cells & Body Systems</p> <p>Y7 Chemistry - Particles, Reactions, Acids and Alkali's</p> <p>Y7 Physics - Forces</p> <p>Y8 Biology - Health & Ecosystems</p> <p>Y8 Chemistry - Periodic Table, Separation Techniques, Metals and Acids.</p> <p>Y8 Physics - Electricity & Magnetism, Energy.</p> <p>https://app.senecalearning.com/login</p> <p>https://www.stpatricksrhigh.co.uk/wp-content/uploads/2024/12/Year-8-2023-2024-Knowledge-organisers-Science.pdf</p> <p>https://www.youtube.com/@revisionmonkey3859/featured</p> <p>https://www.bbc.co.uk/bitesize/subjects/zng4d2p</p>												
RE	<p>Galilee to Jerusalem:</p> <p>Key words</p> <p>7: Nicene Creed , Jesus as the perfect human</p> <p>8: Parables, Miracles</p> <p>Desert to Garden:</p>												

	<p>Key words 7: Paschal Mystery, Eucharist 8: Problem of Evil, Suffering Servant, Lent, Easter Triduum To the Ends of the Earth: Key words 7: Pentecost, Holy Spirit 8: Resurrection, life after death , Empty Tomb</p>
History	<p>Historical skills: Chronology, sources, fact, opinion, exaggeration, cause and consequence, change and continuity</p> <p>The English Civil war Causes of the ECW Events of the ECW New Model Army Puritan England</p> <p>The Trans-Atlantic Slave trade African Kingdoms Capture and the middle passage Life on Plantations Harriet Tubman and resistance End of slavery – White saviours, enslaved people, economic Impact of slavery</p> <p>British Empire Causes of the British Empire India America Scramble for Africa Impacts of the Empire End of the Empire</p> <p>Industrial Revolution Domestic System Industrial Revolution Inventions Child Workers Working conditions Jobs</p>
Geography	<p>Middle East</p> <ul style="list-style-type: none"> • Location - countries, key seas, physical features • Climate - hot and dry, low rainfall • Water conflict - rivers, dams, scarcity • Impact of conflict - damage, economy, people • Refugees - causes, movement, impacts on host areas • Tourism - attractions, benefits, risks

	<ul style="list-style-type: none"> • Qatar World cup Case Study - human rights, working conditions <p>Cold Environments</p> <ul style="list-style-type: none"> • Global ecosystems - distribution and features • Cold environments – Polar Vs Tundra • What impacts ice distribution - latitude, altitude • Glacial Landforms – Fjords, horns. • Adaptations – Arctic Fox and Musk Ox • Opportunities in Svalbard - mining, energy, tourism • Challenges in Svalbard - climate, access, fragile environment • Alps tourism - impacts, management <p>Tropical Rainforests</p> <ul style="list-style-type: none"> • Location – Along the Equator between the tropics. • Climate - hot and wet all year • Structure - layers and biodiversity • Adaptations - Harpy Eagle, Spider Monkey, Chameleon, Pitcher Plant • Causes of deforestation • Threats to tribes - land loss, disease • Palm oil 0 uses and impacts • Solutions, sustainable farming, certification
French	<p>Vocabulary content to revise for the Listening, Reading and Writing exams:</p> <ul style="list-style-type: none"> • TV • Cinema • Reading • What you do online • Sports + Weather • Where I live / types of accommodation • What is in my town • What you can do in town <p>Grammar structures and core knowledge to revise for the Writing exams:</p> <ul style="list-style-type: none"> • A range of positive and negative opinions • Adding reasoning to opinions • Positive and negative adjectives • Adjectival agreement (<u>elle est petite / il est petite</u>) • Present tense verbs (<u>j’habite/ je regarde/ je vais</u>) • Future tense verbs (<u>je vais aller...</u>) • On peut + infinitive (what you can do in your town) • Time phrases (days of the week + how often you do activities)
Spanish	<p>Vocabulary content to revise for the Listening, Reading and Writing exams:</p> <ul style="list-style-type: none"> • Food and drink items • Mealtimes • Numbers

- Ordering in a restaurant
- Technology and how you use your phone
- Television
- Music
- Free time activities

Grammar structures and core knowledge to revise for the Writing exams:

- A range of positive and negative opinions
- Adding reasoning to opinions
- Positive and negative adjectives
- Adjectival agreement (example: divertido/divertida/divertidos/divertidas)
- Present tense verbs
- Future tense verbs
- Past tense verbs
- Time phrases (normalmente, ayer, mañana etc)

ICT

Core knowledge will be assessed from the following topic areas:

Year 7 topics

- Core knowledge will be assessed in the following topic areas:
- Digital Literacy
 - Secure Passwords
 - Rules of the computer room
 - Respectful emails and email construction
 - Digital Footprint
 - Cyberbullying
 - E-Safety
 - Digital Literacy at St Patricks RC High School
 - Internet Cookies
- Networks and Data Communication
 - Introduction to Computer Networks
 - Protocols and IP Addresses
 - Wired and Wireless Networks
 - The Internet
 - Exploring the World Wide Web
 - The Internet of Things (IoT)
- Scratch Programming
 - Introduction to Computer Programming
 - Scratch Programming
 - Sequences in programming
 - Variables
 - Selection in programming

Year 8 topics

- Computer systems
 - Input/output
 - Software/hardware
 - Operating systems
 - CPU
 - Fetch-Decode-Execute cycle

	<ul style="list-style-type: none"> • Data modelling <ul style="list-style-type: none"> ○ Spreadsheets ○ Data V Information ○ Basic formulas ○ Basic functions ○ Modelling • Programming <ul style="list-style-type: none"> ○ Algorithms ○ Sequencing ○ Selection ○ If-Else ○ Loops
Music	<p>The key elements of Music</p> <ul style="list-style-type: none"> • Melody • Articulation • Dynamics • Texture • Structure • Harmony • Instruments • Rhythm • Tempo <p>Blues Music: key features relating to the elements of music Film Music: key features relating to the elements of music</p> <p>Revision knowledge organisers and quizlet on teams class page</p>
Art	<p>1 - Revise your Autumn and Spring Knowledge organisers – You will be tested on the key information on these two documents. They will be uploaded to class charts again, for easy access</p> <p>2 - Practice your observational drawing skills, focusing on perspective and tone. You will be drawing something from observation in your assessment</p>
PE	<p><u>1.1a – Skeletal System</u></p> <p>Major Bones (location)</p> <ul style="list-style-type: none"> • Cranium (skull) • Vertebrae (spine) • Ribs • Sternum • Clavicle • Scapula • Pelvis • Humerus • Radius (thumb side) • Ulna (little finger side) • Carpals (wrist)

- Metacarpals (hand)
- Phalanges (fingers/toes)
- Femur
- Patella
- Tibia (weight bearing)
- Fibula (non weight bearing)
- Tarsals (ankle)
- Metatarsals (foot)

Functions of the Skeleton (apply to sport)

- Support – body shape/upright
- Posture – maintain position
- Protection – vital organs
- Movement – levers with muscles
- Blood cell production – bone marrow
- Storage of minerals – calcium/phosphorus

Synovial Joints

- Freely movable joints containing synovial fluid

Hinge Joints (1 plane)

- Knee → femur + tibia
- Elbow → humerus + radius + ulna

Ball & Socket Joints (all directions)

- Shoulder → humerus + scapula
- Hip → pelvis + femur

Movement at Joints (apply to sport)

- **Hinge**, Flexion – bending & Extension – straightening
- **Ball & Socket** – Flexion, Extension, Abduction – away from midline, Adduction – towards midline, Rotation – turning, Circumduction – circular movement

Other Joint Components

- Ligament → bone to bone, stabilises
- Cartilage → reduces friction, absorbs shock
- Tendon → muscle to bone, enables movement

1.1b – Muscular System

Major Muscle Groups (location)

- Deltoid (shoulder)
- Trapezius (upper back/neck)
- Latissimus dorsi (mid-back)
- Pectorals (chest)
- Biceps (front upper arm)
- Triceps (back upper arm)
- Abdominals (core)
- Quadriceps (front thigh)
- Hamstrings (back thigh)
- Gluteals (buttocks)
- Gastrocnemius (calf)

Roles of Muscles

- Agonist → contracts to create movement
- Antagonist → relaxes to allow movement
- Fixator → stabilises joint

Antagonistic Muscle Action

- Muscles work in pairs
- One contracts, one relaxes

Example (elbow)

- Biceps → agonist in flexion
- Triceps → antagonist in flexion / agonist in extension

Technology

Revise Knowledge Organisers for all 3 subjects as you will be given a mixture of questions across the 3 areas of technology. These will be available on Teams, good revision practice would be to complete a mind map for each of the subject areas and test yourself on the key terms.

In addition to this you will be given a design task to complete so ensure that you practice drawing of design idea. Remember the success criteria for drawing design ideas.

Success criteria:

- Draw lightly in pencil
- Add tone carefully to represent 3D shapes
- Use colour to define the edge of shapes

- Add annotations to clearly explain your design ideas