Year 10

Revision Lists
for Summer Exams 2019

Year 10 Art

Practise 3D shapes and shading skills for the summer exam.

Year 10 English

Read ‘Wonder’ and make sure you are familiar with the key characters and events of the story. You are to use your exercise book as part of your revision and preparation for your exam. You must revise the Point-Evidence-Explain technique and ensure you know how to use it.

Year 10 French

The following topics will be tested in the Summer examination:

- Body parts
- Future plans
- Learning languages
- Future career plans and opinions
- Holidays, je voudrais
- Near future tense
- Perfect tense
- Prepared paragraph

Year 10 Geography

The following topics will be tested in the Summer examination:

- Global Warming (causes, gases, consequences, positive & negative impacts, Greenhouse effect, renewable and non-renewable)
- Plate tectonics (Earths structure, constructive, destructive, collision, conservative)
- Volcanoes (extinct, dormant, active, parts of the volcano, example of volcanic eruption, long term and short term impacts)
- Earthquakes (know a case study – 5W and impacts, focus and epicentre, what causes earthquakes)
- Development (know all key terms MEDC/LEDC/HDI, development indicators, reasons for high and low birth & death rates, ways to bridge the development gap

Year 10 Home Economics

The following topics will be tested in the Summer examination:

Use your Food Safety Training booklet

- Types and symptoms of food poisoning
- What is the Danger Zone?
- Bacteria – types, conditions for growth, cross contamination
- Best before date and use-by date
- Personal hygiene in practical lessons – hand washing
- Safe food storage in the fridge
- Food safety and hazards on food premises

Revise using a variety of methods including:

- ✓ Make mindmaps for each topic
- ✓ Use colour and highlighters to make key words stand out
- ✓ Make up quick factual tests for yourself
- ✓ Write out small cards with facts on one side and questions on the other
- ✓ Get together with a study buddy and test each other

Exam – 1 hour
Section 1 – 12 questions
Section 2 includes28 multiple choice questions

Year 10 History

The following topics will be tested in the Summer examination:

- Treaty of Versailles
- Nazi Consolidation of Power, 1933
- Belfast Blitz
- The Holocaust

Year 10 ICT

The following topics will be tested in the Summer examination:

- Game Design
- Python
- App Development
- eSafety

Year 10 LLW

The following topics will be tested in the Summer examination:

- **Unit 1 – What do we mean by democracy?**
  Revise all content in this unit

- **Unit 2 – How can I play a part?**
  Revise all content up to page 29

  Examination will last 60 minutes.

Year 10 Mathematics

The following topics will be tested in the Summer examination:

- Indices
- Sequences and n^{th} term
- Pythagoras Theorem
- Angles calculations
- Circles
- Transformations
- Fractions, decimals and percentages
- Statistical charts and diagrams
- Averages
- BIDMAS
- Manipulation of algebraic expressions
- Straight line graphs
- Solving equations
- Polygons and angles
- Language of number

Year 10 Music

The following topics will be tested in the Summer examination:

- Song Structure: large scale listening
- Song structure: small scale listening
- Basic structures for songs
- Structure notes
- Chords – both booklets
- Year 8 basics – music theory and elements of music

Year 10 Religious Studies

The following topics will be tested in the Summer examination:

- Disciples of Jesus
- Modern disciples
- Jesus' treatment of outcasts
- Leprosy in Biblical times
- Leprosy today – work of Leprosy mission and other charity groups
- Easter

Year 10 Science

The following topics will be tested in the Summer examination:

- Booklet 1 – Organ Systems
- Booklet 2 – Elements, Compounds and Mixtures
- Booklet 3 – Forces

Remember all checklists of learning intentions can be found at the front of each booklet and revision notes can be found at the back of each booklet.

Year 10 Technology & Design

The following topics will be tested in the Summer examination:

Health and Safety
Signs – Mandatory (Wear gloves, wear goggles, use face shield, use welding mask)
Safe Condition (First Aid, Emergency stop, Eye Wash)
Hazard (Irritant, Electricity, Corrosive, Flammable, Toxic, Explosive, Warning)
Prohibition (No eating or drinking, No running)
Safe Practice – Risks, Hazard Lines

Design Process
Design Brief, Research, Specifications, Concepts, Detailed Designs, Manufacturing, Evaluation

Materials
Plastics – Thermosetting (Acrylic, Rigid Polystyrene, ABS) & Thermoplastics (Melamine, Polyester Resin, Urea Formaldehyde)
Metal – Alloys, Ferrous metals (steel, iron), non-ferrous (copper, aluminium, brass)
Woods -Hardwoods (Oak, Beech, Mahogany) Softwoods (Pine, Redwood, Cedar)
Manmade Woods (MDF, Plywood, Chipboard)
Composites – GFRP, CFRF

Properties of Materials
Strength (tensile and compressive), durability, conductivity, hardness, resistance to corrosion, thermoforming (thermosetting / thermoplastic), toughness, toxicity, density (weight)

Tools
General – Coping Saw, File, Steel ruler, Try-square, Vice, Hammer, Jig
Wood Work – Forstner Bit, Marking Knife)
Metal Work – Scriber, Centre-punch, Hacksaw
Electronics – Wire Strippers, Side-cutters, Long-nosed pliers

Machines/Equipment
Pillar Drill, Polisher, Belt Sander, Scroll Saw, Vacuum Former, Soldering Iron, Strip Heater, Oven, Gerbil, Metal Guillotine, Metal Folder

Processes
Marking Out (Waste Material, cm, mm)
Wasting (drilling, cutting, sanding, soldering)
Thermoforming (vacuum former, oven, strip heater)
CADCAM (Meaning, advantages, Setup Sequence for Laser Cutter)
Joining – permanent (liquid cement, wood glue, welding) Semi-permanent (nut and bolt, wood screw, self-tapping screw)
Finishing (Abrasive Paper, Wire Wool, Polish, Varnish)
Assembly

Electronics
Electricity (Positive, Negative)
Components / Symbols – Battery, Switch, LED, Bulb, Motor, Buzzer, Thyristor, Resistor
Resistor values and colour code
Printed Circuit Boards (PCBs)

Mechanisms
Levers (Load, Effort, Fulcrum)
Types of Motion (Linear. Rotary, Reciprocating, Oscillating)
Gears (Gear Train, Driver/Driven, Direction of Motion, Idler)
Gear Ratio