

Year 10
Revision Lists
for Summer Exams 2018



Art

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

Year 10 English

Revise persuasive devices. Use leaflets to practise identifying devices and explain their effects.

Using success criteria given in class, carefully plan, draft and edit creative writing.

Year 10 French

The following topics will be tested in the Summer examination:

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

Year 10 Geography

The following topics will be tested in the Summer examination:

- Global Warming
- Earthquakes and Volcanoes
- Development

Please revise all notes in notebook and the activity booklets

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 includes 28 multiple choice questions

Year 10 History

The following topics will be tested in the Summer examination:

- Treaty of Versailles
- 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 27

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
- Percentages

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
- Islamic beliefs

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
- Booklet 4 – Electricity (not all of the booklet)

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)
CAD/CAM (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