

Year 9
Revision Lists
for Summer Exams 2018



Art

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

Year 9 Business Studies

The following topics will be tested in the Summer examination:

- All Business Studies definitions
- Methods of Production (Job, Batch and Flow)
- Advantages and Disadvantages of each method of production
- Chain of Production
- Types of Production (Primary, Secondary and Tertiary)
- Decline in the Primary Sector
- Health and Safety at Work Act
- Budgets – meaning
- Hazards in an office environment
- Advantages and Disadvantages of a Sole Trader
- Advantages and Disadvantages of a Partnership
- Recruitment
 - ✓ Internal and External
 - ✓ CV
 - ✓ Advertising a job

Year 9 English

- Practise reading comprehension and improve Accelerated Reading
- Using success criteria given in class, plan, draft and edit review writing
- Refer to information in homework booklet for more revision techniques

Year 9 French

The following topics will be tested in the Summer examination:

- Weather
- Countries
- Transport
- Places in the town
- Food – what I like to eat / don't like to eat
- Clothes
- Daily routine
- Chores
- Prepared paragraph to learn (will be given in class time)

Year 9 Geography

The following topics will be tested in the Summer examination:

- Population
- Rivers and coasts
- Ecosystems

Please revise all notes in notebook and the activity booklets

Year 9 Home Economics

The following topics will be tested in the Summer examination:

- Reasons why we cook food (learn sentences to explain why)
- Cooking methods – eg grilling, baking, boiling, frying, stir-frying etc
- Preparation methods – eg creaming, sieving, kneading etc
- Vitamin C and Cooking
 - ✓ How much vitamin C is lost when storing, preparing and cooking foods
- Food storage including:
 - ✓ Shelf life
 - ✓ Perishable, semi-perishable, non-perishable foods
 - ✓ Storage areas – cupboards, vegetable rack, refrigerator and freezer
 - ✓ Best before date / use-by date (be able to define these)
- Safe preparation, cooking, serving and reheating
 - ✓ Temperature of fridge, freezer and Danger Zone
- The following recipes from your recipe book:
 - ✓ Tuna and pasta bake (how it is made – learn steps)
 - ✓ Apple Frisbees
 - ✓ Chilli Con Carne (use of cornflour – what does it do?)
- Weaning
 - ✓ Tips to remember when weaning a baby onto solid foods
- Nutrients – carbohydrate, protein, calcium and iron
 - ✓ What are their functions and what do they do in the body?
- What is Fibre?
 - ✓ How can you increase fibre in your diet?
- Diet-related Disorders
 - ✓ Obesity
 - ✓ Anaemia
- Food label Regulations
 - ✓ What are the 7 pieces of information required by law to be contained on a food label?

Use your Unit Booklets to help you revise

Exam – 1 hour

Year 9 History

The following topics will be tested in the Summer examination:

- Elizabeth's Problems
- The Spanish Armada
- Colonies
- The Ulster Plantation

Year 9 ICT

The following topics will be tested in the Summer examination:

- Animation
- Python
- HTML
- eSafety

Year 9 LLW

The following topics will be tested in the Summer examination:

Unit 1 – The Work Generator

Revise all content of this unit

Unit 2 – 21st Century Entrepreneurship

Revise all content up to page 27

The examination will last 45 minutes.

Year 9 Mathematics

The following topics will be tested in the Summer examination:

- Algebraic simplification of expressions and solving equations
- Area and volume calculations
- Language of number, including primes, prime factors, HCF and LCM
- Negative numbers
- Polygons
- Sequences
- Charts and diagrams
- Transformations
- Averages
- Drawing graphs

Year 9 Music

The following topics will be tested in the Summer examination:

- **Instruments of the Orchestra and their Families**
Strings
Woodwind
Brass
Percussion
The Symphony Orchestra
- **Scales**
Scales used in Music (Pentatonic, Major & Blues)
Juliet as a Young Girl (“Scaling the Heights”)
Tones and Semitones (colour the notes)
Understanding Major Scales (8 questions and all info)
- **Composers:** Mozart and Beethoven
Basic background of composer & dates
Be able to identify 3 pieces of music by each composer
- **Year 8 Basics**
Elements of Music
Theory of Music

Year 9 Religious Studies

The following topics will be tested in the Summer examination:

- Abraham
- Moses
- The Ten Commandments and their relevance for today
- Jewish beliefs, practices and festivals

Year 9 Science

The following topics will be tested in the Summer examination:

- Booklet 1 - **Food and Digestion**
- Booklet 2 – **Solutions and Separating Techniques**
- Booklet 3 – **Reproduction**
- Booklet 4 – **Light**
- Booklet 5 – **Sound (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 9 Technology & Design

The following topics will be tested in the Summer examination:

Health and Safety - Signs – Mandatory (Wear gloves, Wear goggles, Use welding mask, Use face shield)

Safe Condition (First Aid, Eye Wash, Emergency stop)

Hazard (Electricity, Irritant, Flammable, Toxic)

Safe Practice – PPE & Risk Assessment

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 – Aluminium, copper

Hardwoods – oak, beech, mahogany

Softwoods – pine, redwood, cedar

Manmade woods – MDF, plywood, chipboard

Properties of Materials - Strength, Conductivity, Durability, Hardness, Resistance to Corrosion, Thermoforming (thermosetting / thermoplastic), toughness, flammability, density (weight)

Tools - General – Coping Saw, File, Steel ruler, Try-square, Vice, Hammer, Jig

Woodwork – tenon saw, 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, Soldering Iron, Strip Heater, Metal Guillotine, Metal Folder, Vacuum former, Gerbil (plastic mould trimmer)

Processes - Marking Out (Waste Material, cm, mm)

Drilling, Cutting, Sanding, Soldering

CADCAM (meaning, advantages, setup sequence for Laser Cutter)

Thermoforming (Strip Heater, vacuum former)

Joining - Permanent (Liquid Cement, wood glue, nail), semi-permanent (nut and bolt, woodscrew)

Finishing (Abrasive Paper, Wire Wool, Polish, Varnish)

Assembly

Electronics - Electricity (Positive, Negative)

Components / Symbols – Battery, Switch, Resistor, Thyristor, LED, Bulb, Motor, Buzzer

Resistors – values, total resistance and colour code

Circuit Diagrams

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