

Netherthorpe School

Understanding the Year 9 report



Welcome to the assessment guide – a brief introduction

This guide for parents, carers and students will support in the understanding of the subject specific criteria assessed against for this year. The attainment grade entered by subject teachers will be based on the quality of work currently produced by your child in class, at home and for assessments. This grade can fluctuate across a year based on the current level of the work they are producing, supported by their behaviour for learning. Please note: that there is no limit on a student's potential and every student has the ability to improve.

We trust that you find the meeting criteria useful and note that students will be working towards this criteria, be meeting the criteria or working above this criteria, at the time of the report.

Year 9 Science

Meeting Expectations

In Year 9, the content that is being studied is:

Term 1- Cells and their structure and organisation of bodily systems within mammals.

Term 2- Atoms, atomic structure and bonding.

Term 3- Energy conservation, transfers and resources.

Scientific Concepts:

Students should be able to recall moderate levels of knowledge and facts.

Students should be able to **describe** the following scientific concepts and **explain** the main ideas behind:

- The structure of cells and the organisation of living organisms;
- The way on which cells exchange materials with each other;
- How we can study the structure of cells;
- The structure and function of the digestive system;
- The basic structure of the periodic table;
- The formation of ideas of the atomic structure and how we came to what we know today;
- How solids and liquids can be separated with the methods of each type of method;
- How elements can form ionic, covalent and metallic bonds and the structures they form;
- The different forms of energy and how they can transfer from one form to another
- How energy is conducted and how to maintain efficiency;
- How we are researching and exploring alternative energies to replace conventional energy sources.

Scientific Skills

Students should be competent in identifying and describing the following practical areas:

Questioning scientific theories:

- Identify independent, dependant and controlled variables in unfamiliar situations;
- Use scientific theories and explanations to develop hypotheses.

Planning investigations:

- Evaluate risks both in practical science and the wider societal context, including perception of risk in relation to data and consequences;
- Write an detailed plan to conduct an experiment to gain meaningful data;
- Differentiate between accurate and precise data;

Recording data:

- Design an appropriate table to record data;

- Make and record observations and measurements using a range of apparatus and methods;
- Calculate means of given data.

Analyse data:

- Interpreting observations and other data (presented in verbal, diagrammatic, graphical, symbolic or numerical form);
- Complete graphical data given the axes but writing appropriate scales, plotting points accurately and drawing a suitable line of best fit;
- Describe trends and patterns in the data and draw a detailed conclusion with basic scientific reasoning.

Evaluating data:

- Compare and contrast data, giving scientific reasons for their differences;
- Explain ways to improve the data collection within investigations;
- Appreciate and identify limitations within science and consider and identify ethical issues which may arise;
- Evaluate methods and suggest possible improvements and further investigations.

Year 9 History

Meeting Expectations

- Consistently uses a very good range of evidence and key facts to formulate and support judgements.
- Appraise and critique sources using Nature, Origin and Purpose as well as own knowledge.
- Explains and groups causes/consequences and their effects in detail. Uses arguments to explain and support links which prove why some causes/consequences are more important than others.
- Analyse different interpretations.
- Can judge the importance of changes and explain patterns of change and continuity over time.
- Very good understanding of how to incorporate key historical terms into written work.
- Can reach judgements on key historical concepts but explanation may lack breadth and depth.

Year 9 Modern Foreign Languages

Meeting Expectations

- By Christmas: I can produce and understand a longer text using a wide range of connectives, opinions and high frequency words to justify my opinions. I understand the formation of 3 tenses (present, past and future) and can use them confidently. I can transfer the language to different contexts.
- By summer: I can produce and understand authentic texts using at least 4 tenses and a range of complex vocabulary. I can speak spontaneously with good pronunciation and I make very few mistakes in written and spoken language

Year 9 Computing

Meeting Expectation

- Applying professional techniques to develop good quality images.
- Identifying an audience and producing work that can the requirements of that audience
- Create algorithms to solve a given problem. Use Sequencing, selection, iteration and data structures in programming.
- Be able to apply independent research to programming scenarios.
- Debug programmes independently.
- Explain how a computer uses binary code. Independently convert 8bit binary to denary and back. Explain the purpose of a character set.
- Describe a computer system and explain the aspects which affect processing speed
- Design a computer network for a given scenario, identifying hardware and topologies
- Define a range of common protocols
- Describe how the file size impacts images and sound.
- Create a folder structure that allows you to store files in an organised way with appropriate names.
- Demonstrate resilience when attempting computing related activities.
- Demonstrate and apply logic to solve a range of problems. Accurately produce truth tables identify expressions and their related logic gates

Year 9 Art

Meeting Expectations

- Produce effective and detailed observation studies that show a confident use of formal elements. Able to show a competent use of line, shape, proportion, tone, colour, texture and form.
- Excellent understanding of artists, designers and crafts through visual and written form, using specialist vocabulary.
- Develop interesting ideas by confidently exploring and/or experimenting with materials and techniques.
- Select effective and interesting stimuli to confidently draw and record a range of developed ideas showing a good level of skill and accuracy.
- Be able to show a confident understanding of line, shape, proportion, tone, colour and form.
- Thoughtfully review and refine their work, acting upon feedback given.
- Produce an effective and interesting final piece showing clear links to the artist studied and an imaginative use of ideas.

Year 9 Drama

Meeting Expectations

- Creating – Remain focused in practical tasks, give creative / inventive ideas and collaborate with other students to improve performances both individually and as a whole
- Performing – Use acting skills creatively to present characters of different ages / backgrounds, show character relationships / conflicts, recall the majority of lines from a script, react to other performers lines and use various drama techniques to gain appropriate audience responses.
- Writing – Demonstrate the ability to describe, explain, analyse and make critical judgements about my work and other's work with reference to key terminology.

Year 9 Music

Meeting Expectations

- Perform music that is challenging with confidence and showing stylistic awareness both as a soloist and as part of an ensemble. Can maintain a significant part in an ensemble and perform with sensitivity to other performers.
- Creating imaginative compositions that use a range of appropriate musical elements and devices. Composition work shows some development and a good understanding of stylistic and structural conventions.
- Demonstrate a good level of musicianship when listening / appraising and show recognition of key features within music from a variety of different genres and eras of music. Demonstrate the ability to evaluate and make critical judgements about my own work and other's work with reference to key terminology.

Year 9 RS

Meeting Expectations

- To be able to compare and evaluate beliefs and practices using religious literacy and examples.

Year 9 PE

Meeting Expectations

- You consistently use a wide variety of skills with precision, control and fluency, selecting and applying them appropriately and accurately during performances / competition.
- You can accurately analyse your own and others performance and use this understanding to improve your performance.
- You can consistently apply rules / tactics in a wide range of activities and you can lead a group of students.
- You regularly take part in competitive extra-curricular sports.
- You show good levels of physical fitness in all activities and always participate with sportsmanship.

Year 9 Technology - Packaging

Meeting Expectations

- Pupils can describe and explain their ideas fully using keywords and produce modelling work highly independently.
- They have a very good understanding of modelling materials and are able to test and evaluate effectively, suggesting appropriate improvements.
- They have a very good understanding of product analysis and are able to research effectively and independently.
- They can independently draw 3 dimensional ideas accurately, using a range of drawing techniques appropriately applying prior knowledge.

Year 9 Technology - DT

Meeting Expectations

- Pupils can describe and explain their ideas using keywords and produce practical work independently.
- They have a good understanding of materials and are able to test and evaluate effectively.
- They have a good understanding of product analysis and are able to use CAD effectively.

Year 9 Technology - Engineering

Meeting Expectations

- Pupils can describe and explain their ideas using technical drawing skills and produce practical work independently.
- They have a good understanding of product analysis and are able to use CAD effectively.

Year 9 Technology - Food

Meeting Expectations

- Pupils understand the principles of food science, nutrition and health and can select and use appropriate equipment independently in order to produce a range of quality dishes within the given time.
- They are able to test, evaluate and refine their outcomes.