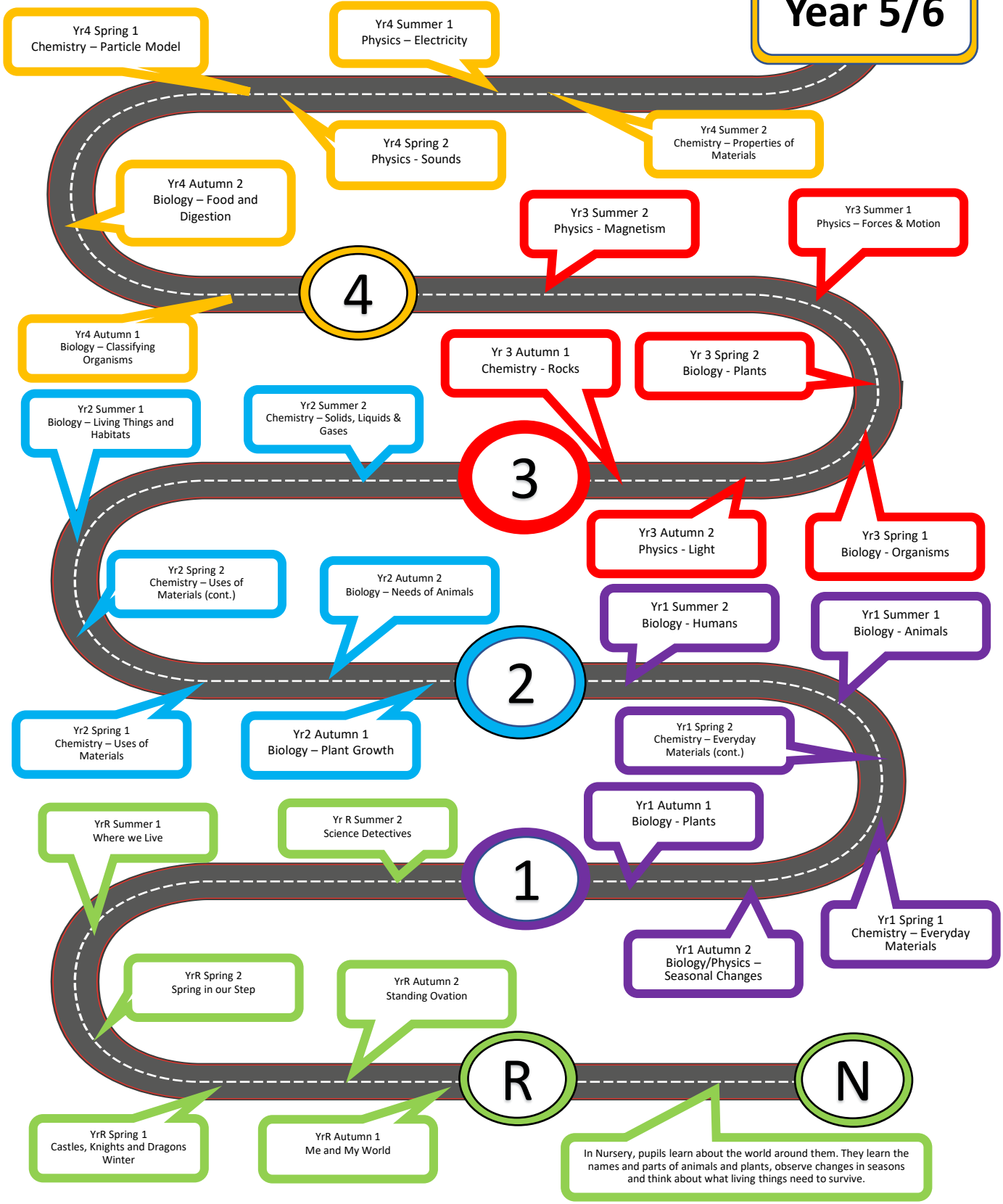
Subject Intent

Science at GM is designed to ignite curiosity within students to understand the world around them.

Year 5/6



Perseverance, Respect, Independence, Diversity, Excellence

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Year 8

Yr7 Spring 1
Particles
Forces

Yr7 Summer 1
Acids and Alkalis

Yr7 Spring 2
Space
Adaptation and Inheritance

Yr7 Summer 2
Periodic table
Energy

Yr7 Autumn 2
Elements, Atoms and Compounds
Reproduction

Yr6 Summer 2
Chemistry – Physical & Chemical Changes

Yr6 Summer 1
Biology – The Human Body

7

Yr7 Autumn 1
Working scientifically
Cells

Yr6 Autumn 1
Physics - Electricity

Yr6 Spring 2
Biology – Further Classification

Yr5 Summer 1
Physics - Forces

Yr5 Summer 2
Physics – Earth & Space

6

Yr6 Autumn 2
Biology - Evolution

Yr6 Spring 1
Physics - Light

Yr5 Spring 2
Biology – Human Development

Yr5 Autumn 2
Physics - Energy

Yr4 Summer 2
Chemistry – Properties of Materials

Yr4 Summer 1
Physics – Electricity

5

Yr5 Spring 1
Biology – Life Cycles

Yr5 Autumn 1
Chemistry – Separating Mixtures

Yr4 Spring 2
Physics - Sounds

Yr3 Summer 1
Physics – Forces & Motion

Yr3 Summer 2
Physics - Magnetism

Yr4 Autumn 1
Biology – Classifying Organisms

4

Yr4 Autumn 2
Biology – Food and Digestion

Yr4 Spring 1
Chemistry – Particle Model

Yr 3 Spring 2
Biology - Plants

Yr3 Autumn 2
Physics - Light

3

EYFS / KS1

Yr3 Spring 1
Biology - Organisms

Yr 3 Autumn 1
Chemistry - Rocks

In EYFS, pupils explore the world around them, including plants and animals. KS1 units focus on describing parts of plants and animals, properties of materials, seasons and the needs of living things.

Perseverance, Respect, Independence, Diversity, Excellence

Our science department intent is to foster curiosity, critical thinking and a deep understanding of the natural world by equipping students with the scientific literacy and inquiry skills needed to navigate and impact an ever global changing global society

MORE IS IN ME

Year 11 GCSE Final May Exams

Revision

Y11 Spring 2
Revision

Y11 Autumn 2
C8 Chemical Analysis
C9 Atmosphere
C10 Using Resources

Y11 Spring 1
P5 Forces
P6 Waves
P7 Electromagnetism

Yr10 summer 2
C6 Rates of Reaction
C7 Organic Chemistry

Yr10 Summer 1
C5 Energy Changes
B5 Homeostasis

11

Yr11 Autumn 1
B6 Inheritance and Evolution
B7 Ecology

Yr9 Summer 2
C2 Bonding continued
B3 Infection and Response

Yr10 Autumn 1
B4 Bioenergetics
P2 Electricity

Yr10 Spring 2
C4 Chemical Changes

T Imperial College University STEM

Yr9 Summer 1
P3 Particle Model
C2 Bonding

10

T Big Bang STEM Trip

Yr10 Autumn 2
P4 Atomic Structure

Yr10 Spring C3 Quantitative Chemistry

Yr9 Spring 2
B2 organisation continued

Yr9 Autumn 2
P1 Energy

9

Yr8 summer 2
Ecology and classification

Yr8 Summer 1
Forces
Ecology

Yr9 Spring 1
P1 Energy cont
B2 Organisation

Yr9 Autumn 1 B1 Cell Biology
C1 Atomic Structure

Yr8 Spring 2
Plants and Photosynthesis
Energetics and Rates

T: Girls in Engineering workshop

Yr7 Spring 2
Energy continued
Reproduction
Assessment

Yr7 Summer 2
Forces and Motion, Biological Systems

Yr8 Autumn 1
Digestion
Materials and the Earth

8

Yr7 Spring 1
Particle Model Continued
Energy

Yr7 Summer 1
Reproduction and Variation
Chemical Reactions

Yr8 Autumn 2
Materials continued
Forces and Motion
Biologiical Processes

Yr8 Spring 1
Periodic Table
Matter

7

6

Yr7 Autumn 2
Cells continued
Particle Model

Yr7 Autumn 1
How Science works
Cells, Tissues and Organs

Y6: Inquiry skills while exploring human circulatory system, light, electrical circuits and matter.

T Science Museum/ Zoo

Perseverance, Respect, Independence, Diversity, Excellence