



Learning Journey Map

Year 7 Science



Year 7 Top Tips	
Tip 1	Learn new vocabulary, use glossaries to test yourself regularly
Tip 2	Use BBC Bitesize and Kerboodle to review content learnt in class
Tip 3	Use Pixl resources on Firefly and therapy work after PPEs
Tip 4	If you are unsure about anything, ask your teacher
Tip 5	Read online science news, watch science documentaries and read recommended novels



8. What is in our solar system and beyond?

- Sources of light
- Solar system and other galaxies
- Phases of the moon
- Seasons
- Gravity and the solar system
- Satellites
- Models of the solar system
- Spacecraft and Near Earth Objects




6. How do light and sound travel?

- Reflection
- Refraction
- Dispersion
- Intro to waves
- Electromagnetic spectrum
- Communicating with light
- The eye

7. How are new organisms made?

- Sound and vibrations
- Pitch and frequency
- How sound travels
- The ear
- Measuring sound
- Ultrasound

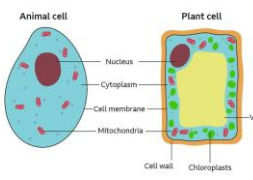
7. How are new organisms made?

- Puberty and adolescence
- Reproductive systems
- Fertilisation
- Internal and external fertilisation
- Asexual reproduction
- Pregnancy
- Menstrual cycle
- Plant reproduction



5. What are organisms made of?

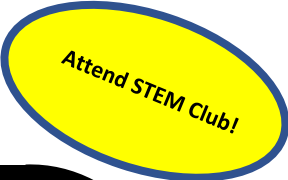
- MRS GREN
- Levels of organization
- Animal and plant cells
- Microscopes
- Specialised cells
- Unicellular organisms



4. What is a chemical reaction?

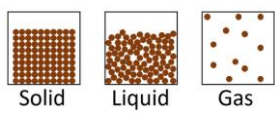
- Elements on the Periodic table
- The atom
- Compound and Mixtures
- Formulae
- Chemical and physical changes
- Word and symbol equations
- Conservation of mass

79
Au
gold
197.0



2. What is everything made from?

- Matter
- Properties of solids, liquids and gases
- Heat and temperature
- Changing state
- Diffusion



3. What are forces?

- Types of forces
- Measuring forces
- Resultant forces
- Balanced and unbalanced forces



1. What does a Scientist do?

- Lab safety
- Equipment
- Bunsen burner
- Core practical – flame tests
- Variables, accuracy and precision
- Graphs
- Means and conclusions
- Core practical – Dunk a biscuit



CURRICULUM OVERVIEW

Development of key scientific skills: planning valid experiments, carrying out practicals safely, displaying & processing data, analysing & evaluating results

Recommended Reading:
The Matilda Effect by Ellie Irving
Itch by Simon Mayo
Pig Heart Boy by Malorie Blackman



CURRICULUM OVERVIEW