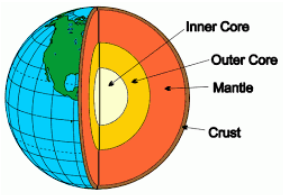
Learning Journey Map
Year 8 Science

Year 8 Top Tips	
Tip 1	Learn vocabulary weekly, use glossaries given and Quizlet/Seneca/Educake
Tip 2	Use the CGP KS3 Science revision guide and workbook to revise topics
Tip 3	Use BBCBitesize, Kerboodle and Educake to review work regularly
Tip 4	If you are not sure about something, ask your teacher
Tip 5	Watch science documentaries and look out for scientific articles in the news

Move onto **Y9**

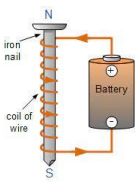
9. What can we get from the Earth?

- ❑ Structure of the Earth
- ❑ Igneous, sedimentary and igneous rocks
- ❑ Chemical and physical weathering
- ❑ The rock cycle

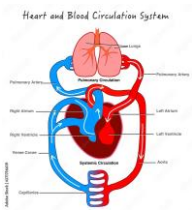


Complete STEM activities with cadets

7. What can electricity do?

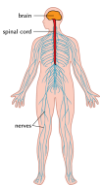


- ❑ Electric charge
- ❑ Electrical current
- ❑ Potential Difference
- ❑ Resistance
- ❑ Series and parallel circuits
- ❑ Electromagnets



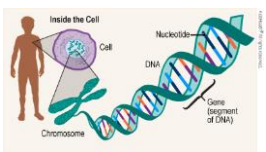
8. What do the systems in my body do?

- ❑ Muscular system
- ❑ Skeletal system
- ❑ Gas Exchange
- ❑ Respiratory system
- ❑ Circulatory system



6. How do organisms evolve?

- ❑ Nucleus and DNA
- ❑ Inheritance
- ❑ Variation
- ❑ Natural Selection
- ❑ Evolution
- ❑ Classification



5. How can I separate materials?

- ❑ Review atoms and elements
- ❑ Filtering
- ❑ Chromatography
- ❑ Distillation
- ❑ Purity

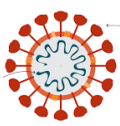
Forensic Science Deep Learning Day

Join STEM Club!

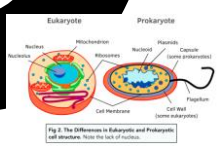
3. Why do we eat?

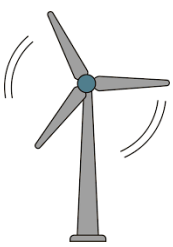
- ❑ Healthy Diet
- ❑ Food tests
- ❑ Energy in food
- ❑ Enzymes and bacteria

4. Why do we get ill?



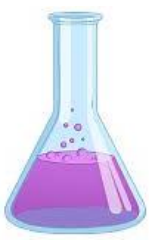
- ❑ Non-communicable Diseases
- ❑ Communicable diseases
- ❑ Pathogens
- ❑ Symptoms, treatment and prevention
- ❑ Vaccinations





2. How is energy transferred?

- ❑ Energy stores and pathways
- ❑ Thermal energy transfer
- ❑ Energy resources
- ❑ Energy and power



1. How do chemicals change?

- ❑ Reversible and irreversible changes
- ❑ Burning fuels
- ❑ Making oxygen
- ❑ Endo and Exothermic reactions
- ❑ Catalysts

Start **Y8**

CURRICULUM OVERVIEW

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

Possible careers:

Research scientist, Biologist, Doctor, Nurse, Forensic scientist, Ecologist, Farmer, Athlete, Nutritionist, Sports scientist, Personal trainer, Physiotherapist, Biochemical engineer, Civil Engineer, Paramedic, Renewable energy engineer, CSI, Brewer, Police officer, Astrophysicist

CURRICULUM OVERVIEW