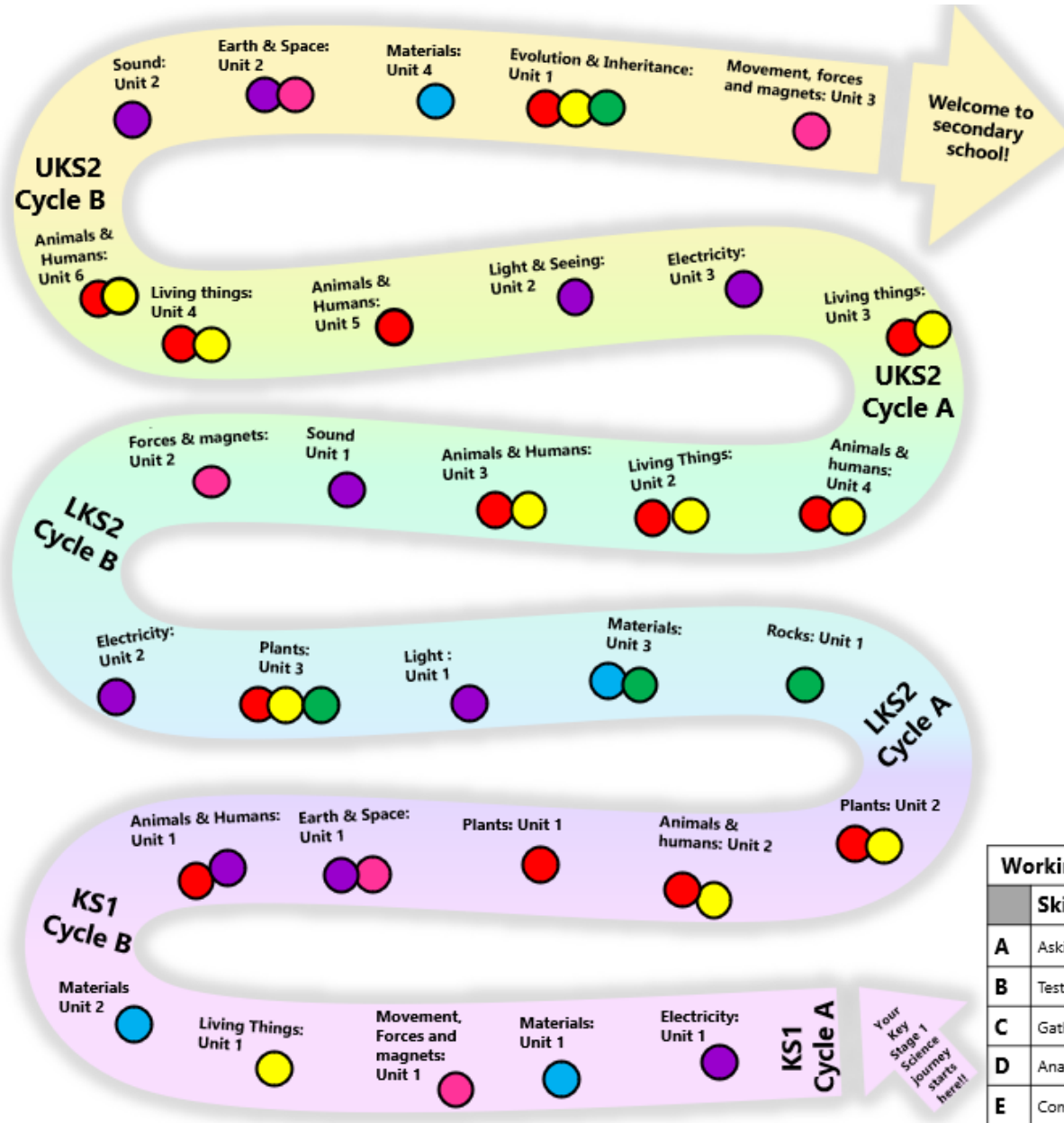




Science Learning Journey

"Remember to look up at the stars, not down at our feet. Try to make sense of what you see and wonder about what makes the universe exist. Be curious." – Stephen Hawking



Working Scientifically	
	Skill
A	Asking Questions
B	Test Hypotheses
C	Gathering & Recording
D	Analysis
E	Communication

Why do Scientists read?

- To situate their research
- To interpret others data and critique their findings
- To find specific information to support their own investigations
- To learn about others' procedures and experiments
- To learn what other scientists are learning
- Helps to understand what's already been discovered
- Helps to see the bigger picture

Write like a scientist

- Avoid using the first person in your writing (third person is usually used)
- Be clear when stating scientific observations
- Be succinct, precise and logical in your writing
- Use labelled diagrams to help explain your points
- Correctly use the required scientific key words in your writing
- Use referencing to back up your arguments/ scientific points

Threshold Concepts in Science

B	Animals, humans and plants are made up of complex interacting systems in order to function.
B	Organisms require a supply of energy for organisms to carry out the basic functions of life and to grow.
C	The Earth is a complex of interacting rock, water, air and life.
C	The particle theory of matter is the abstract idea that helps us develop an understanding of why materials behave as they do
P	Energy is a powerful and unifying abstract idea which is difficult to define
P	Forces change the state of rest or motion of a body. They hold matter together and interplay between all objects