Class of 2027 - Science

Long Term Plan 2020-21

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	**W/C 24/08**	**W/C 31/08**	**W/C 07/09**	**W/C 14/09**	**W/C 21/09**	**W/C 28/09**	**W/C 05/10**	**W/C 12/10**	**W/C 02/11**	**W/C 09/11**	**W/C 16/11**	**W/C 23/11**	**W/C 30/11**
		Science skills Introduction to Science	**Science skills** What do we need to include in a risk assessment?	**Science skills** How do we plan an investigation?	**Science skills** How can we use graphs?	**Science skills** How can we use graphs?	**Cells & life processes** What are animal and plant cells?	**Cells & life processes** How do we use a microscope?	**Cells & life processes** How do we use a microscope?	**What have we learnt?** Interleaving: science skills and cells	**Forces & space** What are the different forces?	**Forces & space** How do mass, weight, and gravity link?	**Forces & space** What is our solar system?
Cycle 2	**W/C 07/12**	**W/C 14/12**	**W/C 04/01**	**W/C 11/01**	**W/C 18/01**	**W/C 25/01**	**W/C 01/02**	**W/C 08/02**	**W/C 22/02**	**W/C 01/03**	**W/C 08/03**	**W/C 15/03**	**W/C 22/03**
	Particles & solutions What are solids, liquids and gases?	**Particles & solutions** How do changes of state occur?	**Particles & solutions** What is a mixture?	**Particles & solutions** How can we separate mixtures?	**Energy** What are the different energy stores?	**Energy** How is energy calculated?	**Energy** What is renewable energy?	**What have we learnt?** Interleaving: cycle 1 topics	**What have we learnt?** Interleaving: cycle 1 topics	**What have we learnt?** Interleaving: cycle 1 topics	**Reproduction** How do foetuses develop?	**Reproduction** What are hormones?	**Elements, compounds & mixtures** What are atoms and elements?
Cycle 3	**W/C 12/04**	**W/C 19/04**	**W/C 26/04**	**W/C 03/05**	**W/C 10/05**	**W/C 17/05**	**W/C 24/05**	**W/C 07/06**	**W/C 14/06**	**W/C 21/06**	**W/C 28/06**	**W/C 05/07**	**W/C 12/07**
	Elements, compounds & mixtures What is the pattern of the periodic table?	**Elements, compounds & mixtures** What are the differences between metals and non-metals?	**Acids & alkalis** How can we identify acids & alkalis?	**Acids & alkalis** What is the difference between a strong and a weak acid?	**Acids & alkalis** What is neutralisation?	**Ecology** What is a food chain?	**Ecology** How do plants and animals compete?	**What have we learnt?** Interleaving: cycle 1 and cycle 2 topics	**What have we learnt?** Interleaving: cycle 1 and cycle 2 topics	**What have we learnt?** Interleaving: cycle 1 and cycle 2 topics	**Waves** What is a sound wave**?**	**Waves** What is a light wave?	**Waves** What are reflection and refraction?