Year 5 Science Overview for Full Academic Year

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science Topic	**Everyday Materials (Part 1)**	**Everyday Materials (Part 2)**	**Humans (use version 1's planning)**	**Earth and Space**	**Forces**	**Plants and Animals**
C.S.S Title (v2)	**Properties and Uses of Materials**	**Separating Mixtures and Changing Materials**	**Human Growth**	**Earth and Space**	**Forces and Mechanisms**	**Plant and Animal Lifecycles**
Week 1	How Can We Compare and Group Materials?	How Can We Separate Mixtures?	What is a life cycle?	What is in Space?	What is the Friction Between Different Surfaces?	How Do Flowering Plants Produce Seeds
Week 2	Which Materials Did The Builders Use When Constructing Our School and Why?	What Happens When We Mix Liquids With Solids?	What do we know about the lifecycle of mammals?	How Do The Planets Move?	Why Do Some Objects Fall Faster Than Others?	Do All Plants Have the Same Number of Reproductive Parts?
Week 3	Which Liquid Is The Thickest?	What Makes A Difference to How Fast Sugar or Salt Dissolves?	What do we know about the lifecycle of amphibians?	How Does the Position of the Sun in the Sky Change?	How Does The Size of the Canopy Affect the Time it Takes the Parachute to Fall?	How Can We Grow More Plants Without Seeds?
Week 4	Who Invents Things?	How Can We Clean Up Contaminated Water?	What do we know about the lifecycle of insects?	What Causes Day And Night?	How Does the Shape of and Object Affect its Movement in Water?	Do All Mammals Have The Same Gestation Period?
Week 5	Can The Same Container Keep Cold Things Cold and Hot Things Hot?	What Makes A Change Non-Reversible?	What do we know about the lifecycle of birds?	How Does The Moon Move?	How Does the Number of Pulleys Affect the Force Needed to Lift a Load?	How Do Amphibians Change Throughout Their Lifecycle?
Week 6	Which Materials Are Absorbent, Permeable or Waterproof?	How Much Gas Can Be Produced By A Non-Reversible Change?	Why do animals make incredible journeys as part of their life cycle?	What Pattens Can We Find in Data About The Planets?	How Does the Length of the Lever Affect the Force Needed to Lift a Load?	Do All Insects Go Through the Same Life Cycle?

Prior to lesson 1:

1. Complete diagnostic test and upload data on EXCEL on-going record
2. go through knowledge organiser.

Each lesson to include:

1. date- Enquiry Question and Vocabulary for the lesson (instead of Learning Objective)
2. Prior knowledge task including an Explorify activity.
3. tier 1, 2, 3 vocabulary instead of an LO which is to be highlighted by pupils at the end of the lesson to evidence its usage.
4. clear and accurate adherence to the lesson plan for all content which can be adapted to cater for the differing educational needs within the class.

Post final lesson of unit:

1. go through all gap tasks to ensure they have been completed and all work is marked in line with Feedback and Marking Policy
2. complete end of unit assessment and upload data on EXCEL on-going record

(use version 1's planning): refer to version 1 of Collins Connect Snap Science as content from version 2 is primarily content covered by the school nurse (puberty lessons). Access to the original scheme will cease from August 2024. Please check and prepare this unit prior to this date.