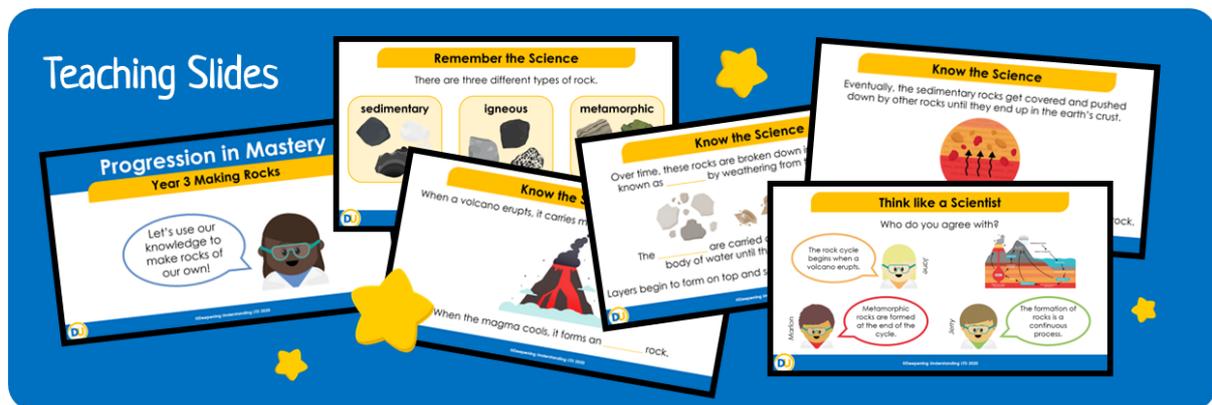


DU Year 3 Science Planning

Small Steps Guide

Thanks for downloading this DU Science Small Steps Guide for our 'Progression in Mastery' resource range. The steps we provide meet statutory and non-statutory standards, designed specifically to deliver the National Curriculum expectations. The units provided are taken directly from the programmes of study.

Components of our Science PIM Range



All the science steps devised by our team come with editable teaching slides so you can easily use DU as a basis for your next lesson. The PowerPoints provided have been given a unique structure specifically linked to our philosophies as well as the teaching of science.

The following consistent slide structures are applied throughout all year groups although they are only drawn upon where they naturally fit within a lesson:

- Remember the Science
- Know the Science
- Talk like a Scientist
- Think like a Scientist (includes concept cartoons to address misconceptions)
- Act like a Scientist
- Become a Scientist
- Exit Task - Checking the Tricky Bits

Famous scientists feature throughout

Did you know that one set of teaching slides in each unit of science is dedicated to educating children about the lives of a diverse range of scientists? The case studies we have selected demonstrate how science has changed our lives and contributed to the prosperity of the world as we see it today.



In each step, you are provided with tasks for independent activities to evidence learning. These write-on worksheets are perfect for whole class teaching and offering a balance for all learners. They provide a structure for all pupils to access learning from the same starting point whilst also acting as a guide for encouraging pupils to record their own learning. Through use of our task sheets, we believe that greater depth pupils will naturally demonstrate their ability through the detail of their responses and precise scientific vocabulary they apply.



Within practical steps, investigation cards can be downloaded. In Key Stage 1, these can be easily shared with pupils on your classroom's screen and in the latter primary years, pupils may be able to follow these as a means of leading their own investigations. The cards detail the line of enquiry, equipment needed and the method of investigation. These could even be used for your own professional practice, allowing you the chance to test the activity before delivering it yourself.

Our Small Steps Collection

The grids below outline how you may sequence each unit of science in your Year 3 learning journey across the year. DU always encourages you to make changes to the materials we provide to suit the needs of pupils you teach and align our materials to any school philosophies as part of your research-driven curriculum. These steps are versatile – they can be used within a single lesson or spread across multiple sessions of science

Unit 1: Rocks

Step Number	Pack Name
001	What Is a Rock?
002	Rock Formation
003	Making Rocks
004	Investigating Rocks
005	Forming Fossils
006	Mary Anning *COMING SOON*
007	Comparing Soils

Unit 2: Animals including Humans

Step Number	Pack Name
008	Food Groups
009	Human Nutrition
010	Elsie Widdowson *COMING SOON*
011	Diets of Animals
012	Do All Animals Have Skeletons?
013	Body Parts and Bones
014	How Do Skeletons Move?

Unit 3: Light

Step Number	Pack Name
015	Light Sources
016	Absence of Light
017	Reflected Light
018	The Sun
019	Shadows
020	Sundials
021	Theodosius of Bithynia *COMING SOON*
022	Changing the Size of Shadows

Unit 4: Plants

Step Number	Pack Name
023	Roots
024	Stems and Trunks
025	Leaves
026	Jan Ingenhousz *COMING SOON*
027	Pollination
028	Seeds
029	Plant Requirements

Unit 5: Forces and Magnets

Step Number	Pack Name
030	How Things Move
031	Contact or No Contact?
032	Is It Magnetic?
033	Magnetic Poles
034	Attract or Repel?
035	William Gilbert *COMING SOON*