

Guidance information 2020

Learning modules

<u>Section 1</u> Standards | Previous Learning | Skills and Concepts | Tier 2 Vocabulary

Section 2 Core Knowledge | Dual coded | Graphically Organised | Tier 3 vocabulary

<u>Section 3</u> Learning Questions | Sequence | Literature Spine

Section 4 Quizzing

Section 5 Vital Vocabulary

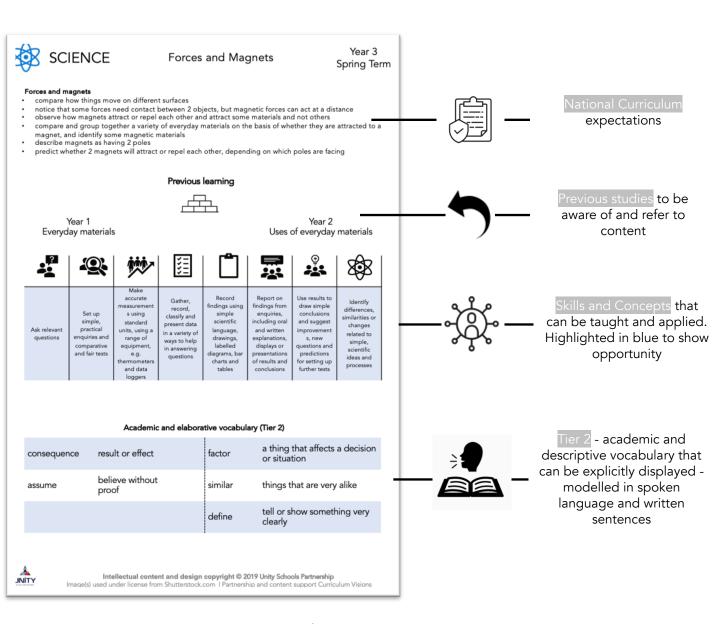
Section 6 Knowledge Notes

Section 7 Digital image resources



STANDARDS PREVIOUS LEARNING SKILLS AND CONCEPTS

TIER 2 VOCABULARY



National Curriculum

Familiarise yourself with the expectations, so that you know <u>exactly</u> what you are teaching.

Previous studies

Be aware of these and refer to them in your teaching.

Skills and concepts

Plan provision for pupils to know how to use these. They may need direct instruction to begin with. Don't assume pupils know how to be skilful.

Tier 2 vocabularv

You could hand write these words and strategically use them on a display board. Exemplify using spoken language and their place in written sentences.

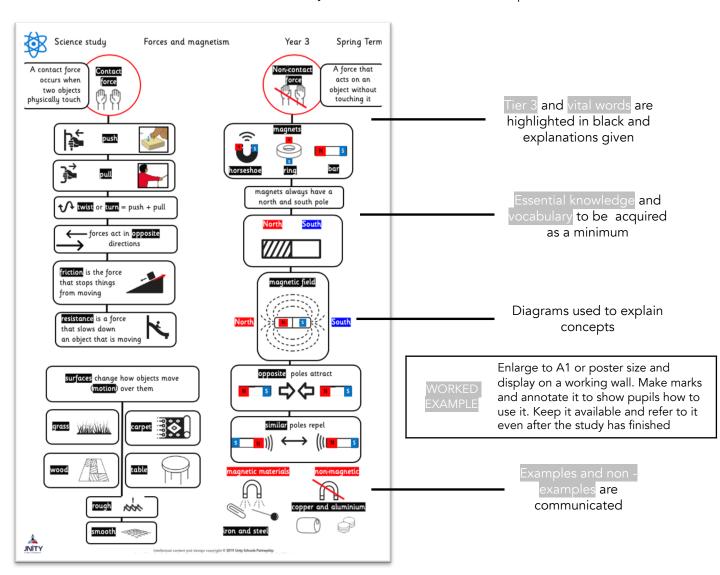
CORE KNOWLEDGE

DUAL CODED

GRAPHICALLY ORGANISED

TIER 3 VOCABULARY

For pupils to refer to through pre-reading, post-reading, retrieval and spaced practice. Flick back and make marks to show you have used / remembered or quizzed someone



Tier 3 vocabulary

Professional and subject specific vocabulary is articulated and explained.

Essential knowledge

The minimum expectation for knowledge – elaborated further in the knowledge notes.

Dual coding and diagrams

Support with simple icons and diagrams to explain and help pupils remember content and concepts.

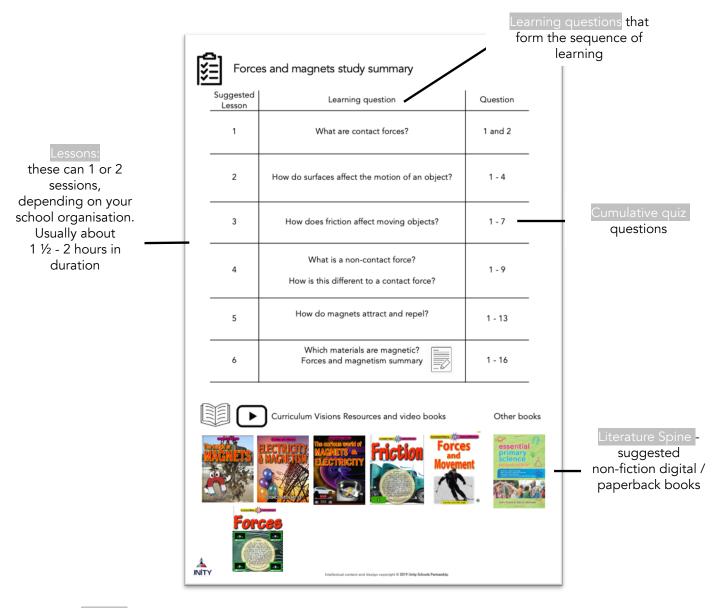
Worked examples and non examples

Use as modelled teaching resource (my turn) and make it clearly visible in the classroom. Use it to support discrimination, critical thinking and curriculum connections.

LEARNING QUESTIONS

SEQUENCE

ITERATURE SPINE



Lessons

Suggested teaching order for the curriculum content

Learning Questior

Questions that lead the sequence of learning. You can introduce the question at the beginning of the lesson, teach the content, and then at the end of the lesson ask, "so how could you answer this question, given what you know?" Good opportunity for flicking back in pupil books to retrieve content.

Can also be used as a quick oral or written retrieval strategy at the start of the next lesson.

Questions have been sequentially built into the sequence of learning. Can be used in several ways:

Cumulative quiz

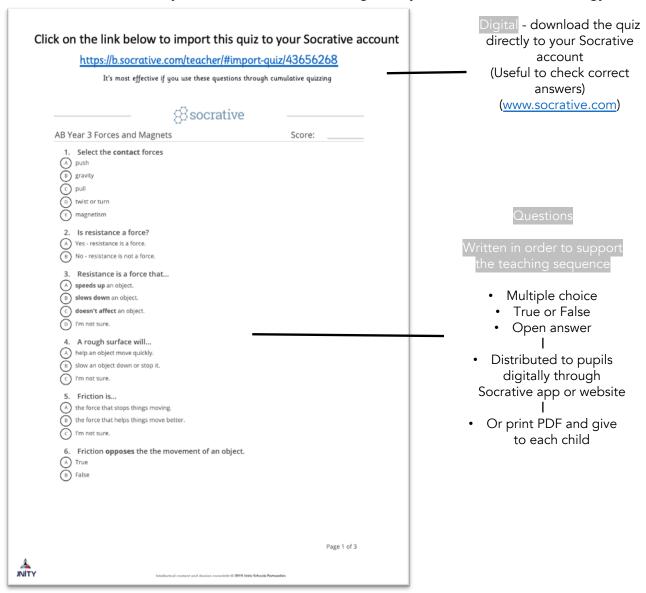
- 1. complete the whole quiz and mark it. Pupils then refer, edit and amend their answers as they progress through each stage of the teaching sequence (metacognition). Take the end quiz to remember taught content and improvements.
- 2. cumulatively questions are used at the start and end of lessons to support pupils with retrieving and applying taught content. Question sets increase in size as lessons progress.

Literature Spine

Requires Curriculum Visions subscription - resources to support teacher knowledge. Very useful digital books with videos embedded. Used for class read. Screen capture used to get images to prompt pupils and think aloud

QUIZZING is primarily a learning strategy to improve retrieval practice – the bringing of information to mind.

It is commonly misunderstood and thought only as an assessment strategy



Digital

Access the complete quiz and images to use with your class.

There are 3 options for quizzing in Socrative. Select the one you want in the delivery settings before distributing a quiz.



Teacher Paced



Instant Feedback

Quizzing

This gives you total control and will allow you to start or stop the quiz, using specific questions related to the lesson you are teaching. Allows pupils to take the whole quiz in any order. They can go back to check their answers before submitting the quiz.

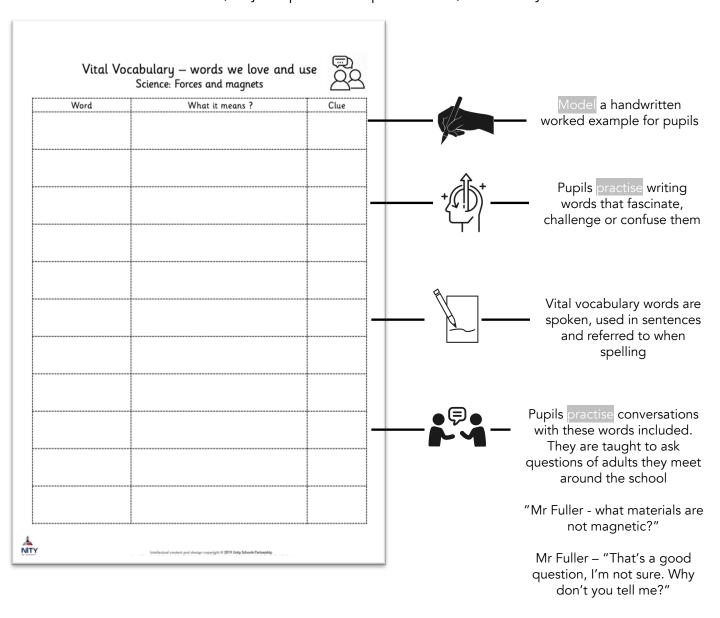
Pupils freely access the questions in sequential order.



Quiz at the start of a study, throughout the study and at the end. Build questions into the teaching sequence.

VITAL VOCABULARY

A unique, ongoing collection that supports pupils to elaborate and practise saying and writing Tier 2 (academic and descriptive) and Tier 3 (subject specific and professional) vocabulary





Provide a handwritten worked example for pupils to set high expectations.

Like fruit and veg, we need several a day - plan specific time to use this page. Develop it as a good habit and encourage pupils to practise, write and say words.



Make sure the spelling of the words is accurate and well written – support, encourage and expect them to repeat it if it is not correct or written with pride in presentation.



Dual code the word if possible. Model with pupils how to draw a simple icon to represent the word, if appropriate. Use this as a discussion / conversation point, but be precise and don't let it get too elongated.



Teach pupils to take the words out of the classroom. Ask adults who work in the school about the words. Model question stems or statements, such as "Mr Fuller, tell me about gravity."

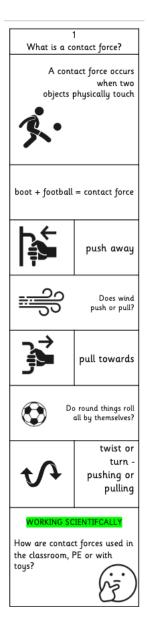
VITAL VOCABULARY

On-going example from Year 6

Word	What it means	
Plasma	A yellowy liquid that makes up 55% of our blood.	
Platelets	Round cells that turn spiky when there is a cut or viving and help blood dot.	- A
Capillaries	The smallest of the blood vessels with thin, fragile walls that allow new nutricity to pass	capitlaney
Atrium (1) Atria (2)	Top 2 chambers of we heart. Blood enter the heart through these chambers	1
Ventrile (1) Ventriles (2)	Bottoro two chambers of are heart. Blood exils mour heart through these chambers.	B
USE AS WORKE EXAMP	Model how to write and keep a re-	ge organiser. cord of vital

If the page is completed – glue another one along the top and flick between the two.





MODEL

concrete examples



SEQUENCE

steps



CHECK

using elaboration or thinking aloud



SCAFFOLD difficult tasks



ENCOURAGE and INCREASE

independence and accurate transfer of vocabulary and knowledge



GUIDE

retrieve, recall, flick back



SUPPORT

collaborative learning



REDUCE

split-attention effect - this is where pupils divide their attention between too many sources to acquire content. A diagram that has a paragraph to explain it increases cognitive load.

redundancy effect – reduce unnecessary information or photographs. This where too much clutter can distract from the essential content. Simple icons and key vocabulary ease cognitive load.

KNOWLEDGE NOTES

- Elaborate and support retrieval practice for essential vocabulary and concepts
- Can be used to retrieve previous knowledge throughout the teaching sequence
- Helpful in sequencing questions throughout the study or theme
- Communicates knowledge and vocabulary clearly
- Scaffolds difficult vocabulary / concepts
- Activates pupil productivity and retention because it does not limit space on a worksheet.

Activate RETRIEVAL PRACTICE during lessons and go beyond quizzing

Have a word with yourself!

Retrieve two things — show what you know				
مره د _{۱۰۰}	nnect — add one r	nore thing to what you know		

This will need MODELLING with WORKED EXAMPLES to start with

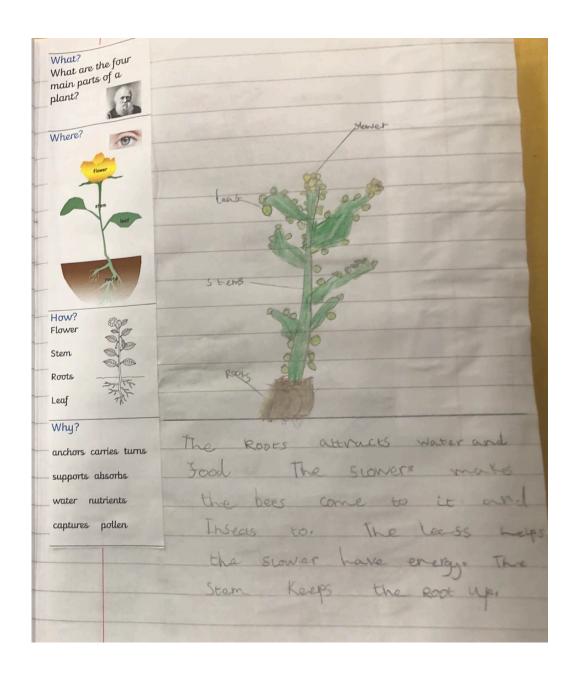
ENCOURAGE and INCREASE the practice of remembering essential vocabulary and knowledge:

- Used during the lesson or afternoon.
- Every pupil has one of these printed out to write on. (It's important that pupils write)
- NOT a paired task.
- o Ask pupils to write down 2 pieces of information they remember from the lesson without referring to their books or each other. (you are activating individual retrieval practice)
- Continue with the lesson or task.
- o NOW a paired activity return to the 2 things they wrote down. Ask them to check what they wrote for accuracy and share what they remembered with each other.
- o Now add one more piece of information. Use to share and build collaborative knowledge.
- At the end of the lesson simply glue down the left-hand side and place as a flap over their tasks.

KNOWLEDGE NOTES

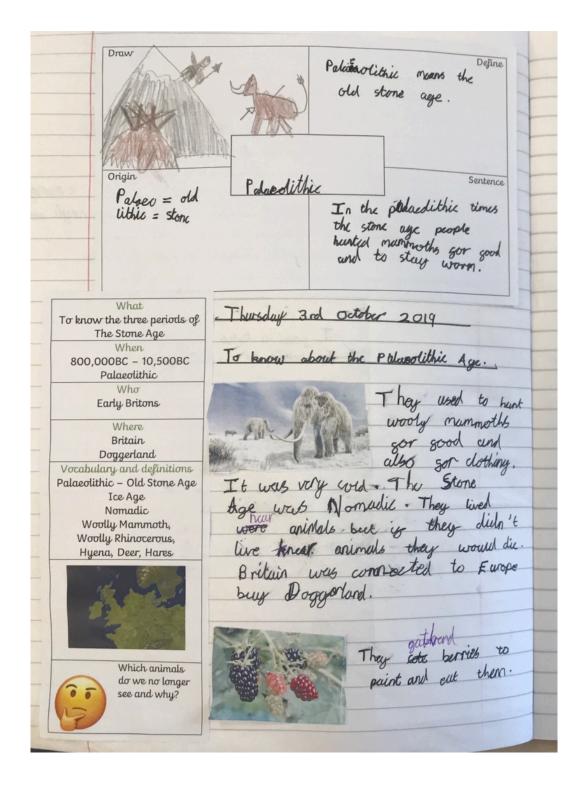
Core knowledge Vocabulary

Year 1



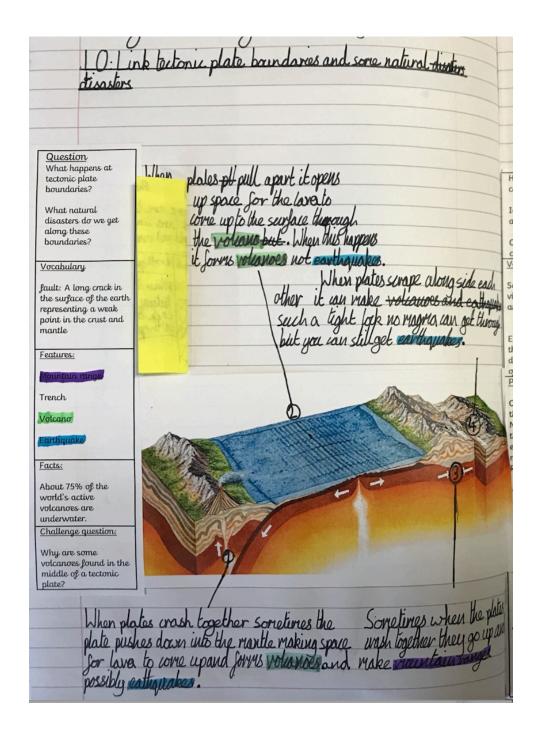
Core knowledge Vocabulary

Year 3



Core knowledge Vocabulary

Year 5



DIGITAL IMAGE RESOURCES

Accompanying the learning modules are digital resources with high quality images for schools to use in lessons.

On licence from Shutterstock and for educational use.

Magnetic fields of a horseshoe and bar magnet

