

Scargill C of E Primary School



## Science – SEND and Disadvantaged

## How are children with SEND and disadvantaged children supported by our general structures and procedures within the wider curriculum?

	Strategy	Why?
the st 2. Provid	eval practice is used at art of each lesson. ding opportunities for	Retrieval is the process of recalling information from memory. When we retrieve information from memory, it becomes more stable and less susceptible to forgetting. In other words, retrieval can help strengthen our memory of the material. Rehearsal and repetition of new information is necessary to maintain
exam check follov	ition and rehearsal for ple `Make it Stick!' and ing for understanding ving acquisition of new ledge.	it in working memory; this can be done by verbalising or writing the information. Practice and repetition are important for the formation of new synapses and the strengthening of neural connections.
3. Basic, tasks	, advancing and deep	All children should be able to access the basic tasks as a minimum and these provide an opportunity to repeat and rehearse new information; this results in more children retaining new knowledge in the long-term memory.
break of kno learno	oosites and components down the small amounts owledge that should be ed within each lesson.	By limiting the amount of information presented at one time, we can reduce cognitive overload. As John Sweller states, "The human working memory has a limited capacity, and the complexity of the material being learned can exceed this capacity. If this happens, learning will not occur". Components narrow the focus of the curriculum and individual lessons to prevent cognitive overload.
5. Scaffe	olding	The EEF SEND 5-a-day recommends providing supportive tools or resources when students are working on a task. If this were a written task, we might provide a writing frame or a partially completed example to allow children to fully access the learning and complete the relevant learning task.
	cognitive strategies	The EEF 5-a-day also advocates the importance of metacognitive strategies for supporting pupils with SEND. By providing opportunities such as 'Make it Stick!' and end of unit assessments, we provide children with the opportunity to monitor and evaluate their own learning.
7. End o	f unit assessments	Taking an end of unit assessment requires children to actively retrieve the information from memory, strengthening the memory trace and making it more durable (the testing effect). Taking a test also provides immediate feedback on what has been learned and what still needs to be learned, allowing teachers to refocus future retrieval tasks.
8. Perso	nalised support	Some children will require additional support beyond our general structures and procedures. This level of support will be detailed within a child's SSP, EHCPs and on class provision documents.