

Subject: Science	Subject lead: Sheila Kitchen / Mailli Connell	Year: 2024-2025
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CONTEXT

The Science curriculum has been reviewed in September 2023 after another curriculum update. The reviews ensure Science continues to focus on topic development that best suits and benefits the learning needs of the current pupils at Amwell View School and reflects on the learning profiles of the school population.

Crest Super Star Award activities have been increased in quantity as the current pupils in the class have completed and experienced the previous challenge topics at that level. Therefore, more challenges and activities have been added to the Science planning and delivery to compliment a wider learning experience for the current cohort and future class groups.

Continuing strengths for the Science curriculum include: the strengthening the development of current topics and learning that all pupils can access; the development of topics for our Community Class group that promote small group and independent activities; ensuring that communication focuses on naming, commenting and requesting using familiar and unfamiliar vocabulary; lesson structure that is similar to class lessons which provides predictability and structure; consistent use of visual supports and prompts and including use of Grid3 on iPads for pupils to communicate their learning choices in the lessons; use of resources to support pupils learning and sensory development, allowing for good sensory regulation throughout the lesson; use of personal VOCAs to communicate their requests and comments to others; opportunities for pupils to move in the lessons helping to self-regulate; the ongoing development of sensory A frame and TacPac resources to support PMLD pupils accessing to topics.

Areas identified in need of development include:

- 1. PMLD TacPac boxes to support the Science curriculum – topics to focus on will be: Earth and Space and Materials*
- 2. the development of activity boxes for classes to access and use in the classroom – adding two more activity trays*
- 3. time to sort, organize and list resources in the cupboard storage room to allow for ease of locating resources*

SUBJECT PRIORITIES (1 YEAR TIMESCALE):

Link to SIP Priority Outcome (To be completed by SLT at a later date for 2024-25 as SIP is not complete)

Short term goal that will impact the curriculum and pupils learning

- To create two more Science specific learning trays for classes to sign out – materials and forces
- To create TacPac boxes for Science topics –Earth and Space and Materials
- Time to sort, organize and list resources in large cupboard

SUBJECT PRIORITY 1: To create two more Science specific learning trays for classes to sign out – materials and forces

Member of staff with overall responsibility: Sheila Kitchen

Outcome (Intent)	Actions to be taken (Implementation)	By whom	By when	Resources needed	Success criteria (Impact)	Monitoring	RAG
<i>To create a topic box activity for Forces</i> <i>To create a topic box activity for Materials</i> <i>To add to the list of Science topic boxes for teachers to refer to</i> <i>Remind teachers of the resources boxes and activities that can be signed out.</i> <i>Review access to Science topic boxes and investigate if storing in the Booster Room might be better</i>	<i>List two activities for Forces topic to include in the topic box and purchase the resources</i> <i>List two activities for Materials topic to include in the topic box and purchase the resources</i> <i>Update activity box list and promote to staff via email and in staff meetings</i> <i>Informal discussions with class staff about what is available for classes to sign out during any timetable changes and displacement from classrooms</i> <i>Discussion with class staff regarding where is the best place to store the topic box activities – Science Room or Booster Room</i>	<i>Sheila Kitchen and Mailli Connell</i>	<i>Summer 1 2024 for Forces box</i> <i>Autumn 1 2024 Materials box</i>	<i>Purchase more red trays and lids</i> <i>Purchase more resources to support the topic boxes that promote pupil engagement in the classroom</i>	<i>Evidence of staff signing out engagement will be recorded on the sign out sheet</i> <i>Tapestry videos will be posted by class teachers to share</i> <i>Feedback forms for staff to offer suggestions and / or comment on pupil engagement and learning.</i>	<i>Neil Ward</i> <i>Informal feedback from teachers and class staff</i> <i>Observing use of boxes used in classrooms during informal visits</i> <i>Discussions with class teachers and Science leads regarding best place to position the boxes and review</i>	<i>Colour-code this box.</i> <i>Red: task not started</i> <i>Amber: task started but not complete</i> <i>Green: task completed</i>

SUBJECT PRIORITY 2: PMLD TacPac boxes to support the Science curriculum – topics to focus on will be: Earth and Space and Materials

Member of staff with overall responsibility:

Outcome (Intent)	Actions to be taken (Implementation)	By whom	By when	Resources needed	Success criteria (Impact)	Monitoring	RAG
<i>To provide pupils with PMLD and complex needs engaging resources for topic and sensory engagement – earth and Space topic and Material topic</i> <i>To create a supportive resource for PMLD and pupils with complex needs to engage with a range of resources</i> <i>To use the TacPac boxes with Class 4 pupils in their weekly lessons .</i>	<i>Meet with the Lead Sensory teacher about resources to make, ideas and to purchase</i> <i>upload music to support the TacPac activities.</i> <i>Tacpac songs are saved in the Science documents</i> <i>Feedback from staff and pupil engagement on whether or not the resources were suitable and engaging for pupils</i>	<i>Sheila Kitchen, Mailli Connell</i>	<i>Meeting with Sensory lead Summer 2024</i> <i>Each tacPac box is created in the autumn 2024 term</i> <i>Informal staff feedback at the end of each half term</i>	<i>List of resources to search for in school / charity shop / catalogues /PMLD websites</i> <i>List of resources to purchase</i>	<i>Pupils with PMLD and complex learning needs are accessing engaging activities that are suited to their learning needs</i> <i>Tapestry videos to document pupil engagement using the Tac Pac boxes</i> <i>Class 4 can use the Tac Pac boxes throughout the school year to vary their experiences with sensory opportunities.</i>	<i>Jane Connolly</i> <i>Sign posted tapestry videos</i>	<i>Colour-code this box.</i> <i>Red: task not started</i> <i>Amber: task started but not complete</i> <i>Green: task completed</i>

- SUBJECT PRIORITY 3: Time to sort, organize and list resources in large cupboard

Member of staff with overall responsibility:

Outcome (Intent)	Actions to be taken (Implementation)	By whom	By when	Resources needed	Success criteria (Impact)	Monitoring	RAG
<i>To organize the Science storage cupboard and label</i> <i>To look through all the symbols and keep those relevant</i> <i>To ensure all resources are in working order</i> <i>To update the label on each of the boxes</i>	• Meet with supporting teacher Mailli and tackle one box at a time • Measure the symbol labels to be put on the boxes to ensure ease of locating • Take photos of resources in the boxes to make searching easier and more efficient • Test each of the boxes • Start with organizing CREST Award symbols and move through each topic	<i>Sheila Kitchen, Mailli Connell</i>	<i>Each half term to focus on one topic at a time</i>	<i>Designated time after school to focus on one topic at a time</i> <i>Purchase boxes or large trays with lids</i> <i>Zip wallets</i>	<i>.resources are updated with a list and photos for ease of access making resource searches more efficient for all staff to access</i> <i>Symbols no longer relevant to our current pupils is not taking up space in the symbol storage</i> <i>Zip wallets will be used to keep collected topic symbols and resources in one place</i>	<i>Neil Ward</i>	<i>Colour-code this box.</i> <i>Red: task not started</i> <i>Amber: task started but not complete</i> <i>Green: task completed</i>