



Ashwood Spencer Academy

Planning

Why is Science important at Ashwood?

Science is important to us at Ashwood as it is a way for children to start exploring the world around them. Through building up foundational knowledge, pupils are encouraged to develop a sense of curiosity and excitement about natural phenomena.

Our staff and learners follow our DREAM expectations and have the freedom to think outside the box thus creating exciting and engaging learning opportunities. As professionals, we strive to share good practice to ensure our learners receive quality first teaching and enriching learning experiences.

At Ashwood, we have mapped out the National Curriculum Science Objectives along with other subjects to ensure full curriculum coverage and that objectives are covered progressively.

Teachers look carefully at the objectives that are to be taught before planning to ensure fun and engaging lessons are prepared which build on previous learning and meet the National Curriculum objectives.

Planning, look, book looks and Pupil Voice are used to monitor Science teaching and learning. We compare planning and work in books to what pupils have said they enjoy in their lessons so that we can build on this and ensure that we keep our pupils are engaged in their learning.

Links with organisations

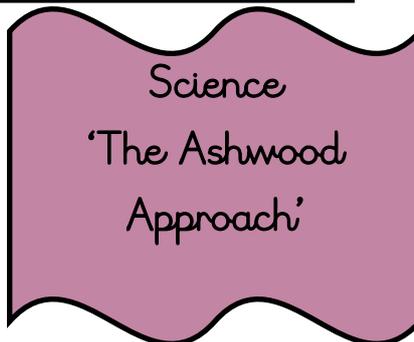
Teachers have access to borrow Science resources boxes from George Spencer Academy to support children's learning.

This year we've made links with Our Future Derby, the East Midlands Chamber, the British Army, the East Midlands Airport and Derby City Council. We will continue to maintain these links in future.



Assessment

As with all subjects, we use Google Drive to record children's attainment in Science. In order to support staff assess their children effectively, they have been provided with an assessment tracking grid which splits the national curriculum objectives into units so that they can easily see where children are excelling or if there are common misconceptions/gaps in learning. The Science Lead is still looking at research to decide whether we will assess for 'Greater Depth' and if we do, how this will be evidenced.



Enrichment opportunities

This year, we have participated in the Our Future Derby Project which has enabled us to make links with various businesses such as the East Midlands Chamber, the British Army, the East Midlands Airport and Derby City Council. Year 5 have taken part in a 'What's my line?' assembly where they got to speak to professionals and ask them questions about their careers before having to guess what their jobs were. This opened their eyes to many jobs they hadn't previously heard about, especially STEM careers. Year 4 have had visitors in school to link to their Science topic.

This year, we have celebrated British Science Week for the second time. Unlike last year, we were unable to hold a whole school assembly and after-school event due to COVID19. However, we did celebrate the week by holding practical investigations in class each afternoon. If restrictions change, next year, we will ensure we hold another after-school event for our local community to raise the profile of Science.

We are taking part in the Primary Engineer car building project for the second year running. This project is led by Rolls Royce and staff from KS1 and KS2 have been provided with CPD and have made links with an engineer to support them with this.

During lockdown in March, staff were provided with a variety of CPD opportunities online that they could engage with. This allowed staff to develop their confidence and skills which led to lessons being planned to a higher standard therefore impacting positively on our pupils learning experiences.



Linking Our Learning

The Reading Lead and Curriculum Lead carefully mapped out the curriculum coverage across each year group and carefully selected high quality texts which allow meaningful Science links to the wider curriculum. Teachers can also choose school trips to encourage further Science learning beyond the classroom.