

	<b>North Wootton Academy</b> <b>Priory Lane</b> <b>North Wootton</b> <b>Kings Lynn</b> <b>Norfolk</b> <b>PE30 3PT</b>
<b>Name of policy:</b>	<b>Science Policy</b>
<b>Lead member of staff with responsibility for this policy:</b>	Andrea Allen
<b>Date of implementation:</b>	April 1 <sup>st</sup> 2021 Reviewed January 4 <sup>th</sup> 2022
<b>Details of dissemination:</b>	The policy is available for all staff, visitors, pupils and parents on the school website.
<b>Linked Policies:</b>	Curriculum Policy
<b>Frequency for review:</b>	Annually

‘Science is simply the word we use to describe the way we organise our curiosity’- Tim Minchin

It is the study of the nature and behaviour of natural things and the knowledge that we obtain about them. With this knowledge we then inform our future and make sense of our existence. Through questioning, experimenting and creativity science develops an understanding of the way things work, evolve, function globally, nationally and personally.

#### Our Intent

Through teaching Science, we aim to provide our pupils with the foundations to understand the world around them.

At North Wootton Academy, Science is about enabling our pupils to experience and observe phenomena in the natural and man-made world. They are encouraged to be curious, ask questions about what they observe and should be helped to understand scientific ideas by using different types of investigations to answer their own questions.

#### Our Implementation

Early Years Foundation Stage and Year One:

Exploration is vital to learning Science and in the EYFS and Year One at North Wootton Academy, Science should be a practical experience reinforced by pictorial resources.

EYFS Assessment and evidence gathering:

The Specific Area of Understanding the World in the Early Years Foundation Stage contains the Science objectives which should be covered. Pupils should be learning scientific knowledge and vocabulary and 'working scientifically' appropriate to their developmental age. Evidence will be kept in several places: Tapestry, Science books, wall displays and photographs. The EYFS lead has investigated how Developing Experts could support the EYFS curriculum.

#### Year One to Year Six Science Curriculum:

Year One – Year Six should be following the National Curriculum and specifically the Academy Curriculum established in September, 2019. To support the curriculum, Developing Experts has been purchased by the school. This high-quality resource has the necessary PowerPoints, expert explanations, worksheets and quizzes in order to deliver six lessons per unit. D.E. lessons can also be assigned online in case of further disruption to learning. Another advantage to D.E. is that it includes science up to KS3 thus covering some of the Core Curriculum aims and knowledge.

There is an ongoing project to write lesson plans linked to the free school curriculum and Developing Experts which have supporting resources and quizzes.

All years should plan six practical investigations per year (one per half term) in which children build on practical skills.

Evidence of work for Years Two to Six should be in children's Science books. Examples of work can be handed to the science coordinator to place on file. Developing Experts monitors and records on a mark-book each individual child's quiz scores and the aim is in the future to enable all children to complete one quiz per unit per half term.

#### Impact

Quizzes can be marked in class and results recorded.

Marking science should be based upon whether the knowledge goal has been achieved. Rubrics have been developed for scientific investigation and are used at the end of each unit. Additionally, each child completes a three-question vocabulary test at the end of the topic and will write a short answer to a greater depth question.

#### Achieving Greater Depth in Science:

Greater depth examples are included in all the new plans.