TRINITY ACADEMY NEWCASTLE

Subject Specific SCIENCE KS2 – KS4
Intent, Implementation
and Impact

Trinity Academy Newcastle - *Science*

INTENT	IMPLEMENTATION	IMPACT
The intent of the lower school science curriculum is to instill the learners with curiosity about the world around them and how things work. We hope to do this by developing the learners' scientific language and experiences that they may lack outside of school. We want to give learners a broad and balanced curriculum that provides them with meaningful subject content and an interest in Science that they can take with them as they progress into the next steps of their education and adulthood. We would like to see the learners experience a wonder of knowledge through exciting lessons and trips outside of school. We want to engage children by emphasizing how Science plays a role in their daily lives at home and school. We use the curriculum to help learners understand safety, in and out of the laboratory, by exploring healthy lifestyles and using electrical equipment safely. Our curriculum aims to develop a sense of enquiry and life-long learning.	We progress through Science steadily, ensuring the learners are acquiring skills and knowledge through their experiences. We consider what children already know and what they would like to know about each topic. We incorporate factual learning, maths links and practicals, whilst referring back to the National Curriculum to ensure appropriate skills are met for each unit. Learners are taught in sequence and teachers benefit from a scheme of work to deliver to learners.	Throughout Science lessons, learners are using scientific vocabulary more effectively and are keen to ask 'wonder-based' questions and relating knowledge to real life settings. The opportunity for learners to carry out experiments and investigations mean that Science is exciting and the learners to look forward to going on Science-based visits outside of school. Learning is designed to develop "working scientifically" skills so as to create learners who are able to enquire about the world around them in a structured way. Learners will develop a range of skills and abilities so to confidently apply a variety of apparatus and techniques to collect valid and usable data. The curriculum aims to create confident, competent and caring learners who develop a life-long inquisitive approach to all aspects of their life.