

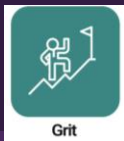


## IMAGINATIVE AND CREATIVE

Pupils ask their own scientific questions and solve these through child-led experiments and investigations.

Pupils take part in a range of active and outdoor learning opportunities.

Pupils make connections between scientific knowledge and develop their science capital through trips, visitors and extra-curricular tasks. Explorify, videos and quizzes are consistently used to engage pupils in scientific reasoning and help them to develop their ability to articulate hypotheses and conclusions.



## MOTIVATED AND RESILIENT

Pupils undertake extra science activities at home, including research and experiments. Pupils have opportunities to take part in extra-curricular science activities, such as chemistry club and the science fair.

Pupils re-test and re-run investigations to develop their resilience and make their results more reliable (in upper KS2).

Pupils are encouraged to develop a growth mindset during groupwork and all take an active role in every investigation.



## COMMUNICATOR AND COLLABORATOR

Pupils work in groups to solve problems, conduct experiments and research. Pupils peer-teach their classmates. Children have talk partners in science lessons and they discuss their ideas and questions with their talk partners.

Pupils compare their work with each other, and peer assess.

Pupils debate results and prove that their conclusions are reliable (in KS2).



## KNOWLEDGE SEEKER AND KEEPER

Pupils are supported to retain key knowledge and use scientific vocabulary.

Pupils conduct their own research and investigate their own questions.

Pupils interpret data and create graphs.

Pupils develop confidence in all lines of scientific enquiry (observation over time, identifying and classifying, pattern seeking, research using secondary sources, comparative and fair testing).



## RESEPECTFUL AND CARING

Pupils are taught to consider how to minimise the negative impact they have on their environment, especially when studying animals including humans, plants and living things and their habitats.

Pupils are encouraged to care for the world around them when taking part in science investigations outside.

Pupils learn to respect different hypotheses.

## Science

## Learner Profile



Knowledge



Spark



Humanity



Grit



Team