

ADHD

- Practical investigations and activities
- Be explicit about the rules of when to use equipment and when to be listening and focusing on verbal instructions
- Additional resources such as fiddle toys, wobble cushions, fidget feet etc.

ASD

- Additional resources to meet sensory needs
- Group or individual work with as specific role
- Preparation for loud noises, unexpected occurrences
- When necessary, discuss any unfamiliar technical vocabulary that might be used prior to the lesson

Cognition and Learning Needs

- Provide a word bank to explain unfamiliar technical vocabulary
- Use of modelling to ensure that the child understands the task
- Alternative methods of recording including IT devices, Clicker and mind maps etc.

Dyspraxia / Physical Impairment

- Investigations can be altered to ensure access e.g. larger equipment more space
- Adult support when required
- Choice and altered resources
- Supportive group and paired work
- Alternative methods of recording

Strategies to support children in Science



Dyslexia / Dyscalculia

- Offer a range of ways to communicate their thoughts and findings
- Pre-teach subject specific vocabulary to improve knowledge and confidence
- Provide scaffolded learning
- Text to speech and speech to text technology – immersive reader

Hearing and Visual Impairment

- Provide written and pictorial instructions and explanations
- Use enlarged text
- Use of partners and adults to support practical elements
- Enlarged equipment/resources/texts etc.

Speech, Language and Communication Needs

- Use a range of ways to communicate their thoughts and findings including alternative methods of recording
- Vocabulary cards/mats for explanations, instructions and scientific vocabulary

Gifted and Talented

- Extend children through science, not English
- Use open-ended questions and investigations to develop knowledge and skills
- Build science capital