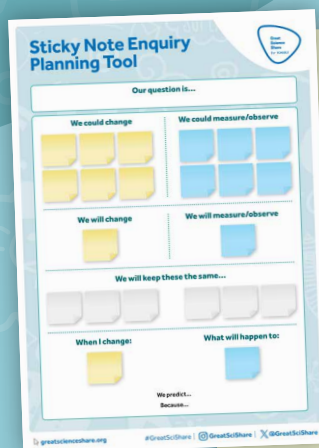


Great  
Science  
Share  
for SCHOOLS

# Great Science Toolkit

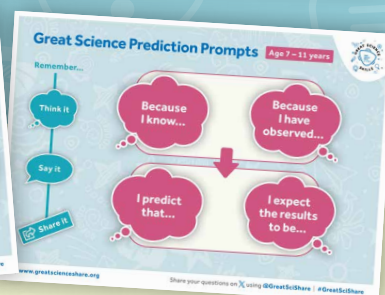
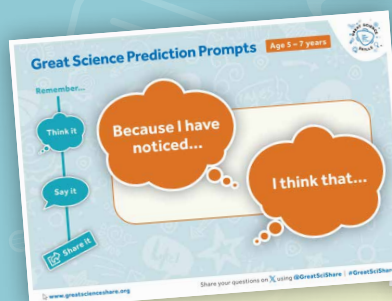
Downloadable prompts for  
pupils to improve each aspect  
of the enquiry cycle – for ages  
5-7, 7-11 and 11-14 years



## Enquiry Planning Tool

**What?** Structures enquiry planning from question start to conclusion

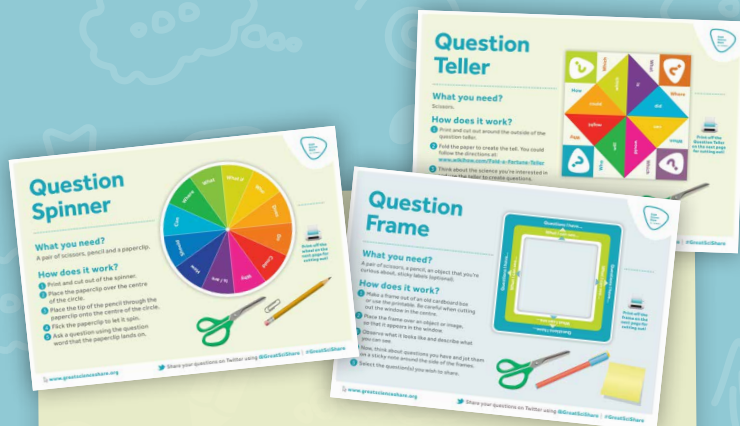
**Why?** Clarifies the difference between independent and dependent variables



## Prediction Prompts

**What?** Sentence starters that structure predictions across 3 age phases

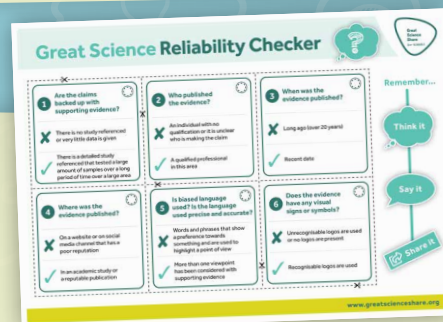
**Why?** So that early ideas about what might happen are linked to reasoning



## Question Makers

**What?** Question starters to inspire pupils to ask different questions

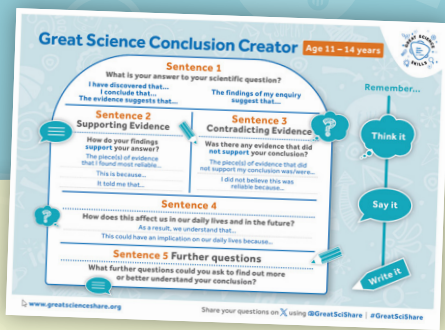
**Why?** Providing lots of questions to handle and build towards an enquiry scientific question



## Reliability Checkers

**What?** 6 question cards to evaluate the trustworthiness of information

**Why?** To improve research by secondary sources by moving from fact finding to critiquing and judging what's been found



## Conclusion Creators

**What?** Sentence starters that structure conclusion writing across 3 age phases

**Why?** So that conclusions are drawn from evidence and linked to conceptual understanding



## Progression Tool

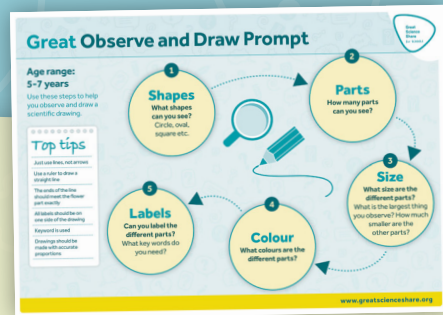
**What?** Each part of the enquiry cycle explained across 4 age phases of learning

**Why?** Assisting adaptive teaching, assessment for learning and feedback to improve pupils' working scientifically knowledge and skills

## Share Prompts

**What?** Two tools to encourage sharing ideas in diverse and creative ways

**Why?** So that pupils acknowledge that sharing science isn't just about writing reports



## Observe & Draw

**What?** Step-by-step prompts to enhance scientific drawing skills

**Why?** So illustrations of observations of the natural world and scientific equipment are drawn with precision and accuracy



## Talk Prompts

**What?** 6 talk prompt cards to stimulate reacting and clarifying verbal behaviours

**Why?** So that pupils can influence ideas and opinions in a constructive and purposeful way

