

Golden Concepts

Asking scientific questions

Planning an investigation

Collecting, presenting and interpreting data

Errors and uncertainty

Science in our world

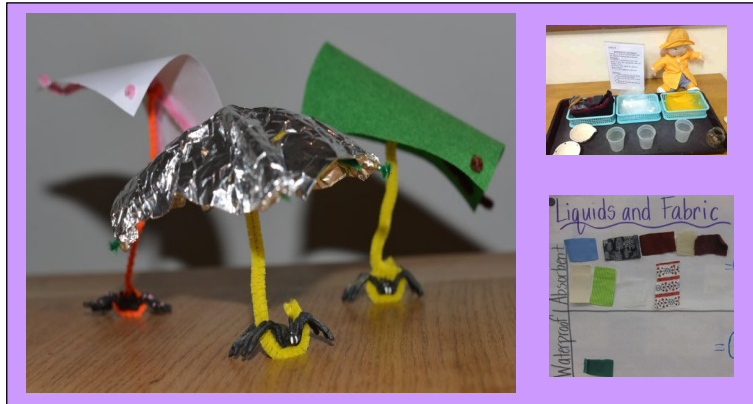
Key Vocabulary

Observe	Look at something and think about what you see
Why	Question what you see to understand what is happening
Predict	What do you think will happen
Change	Think about what you will do different to explore a question
Describe	Write a sentence to demonstrate your understanding of what you see
Measure	Use a tool to give a size, amount of something
Similar	Notice when things appear the same
Difference	Notice when things appear different
Record	I was of taking note of the things that you measure or observe
Results	The information you gathered from your measurements or observations
Conclusion	A sentence to describe what you found out in your experiment
Experiment	A practical activity designed to answer a question

Working Scientifically: KS1 Knowledge Organiser

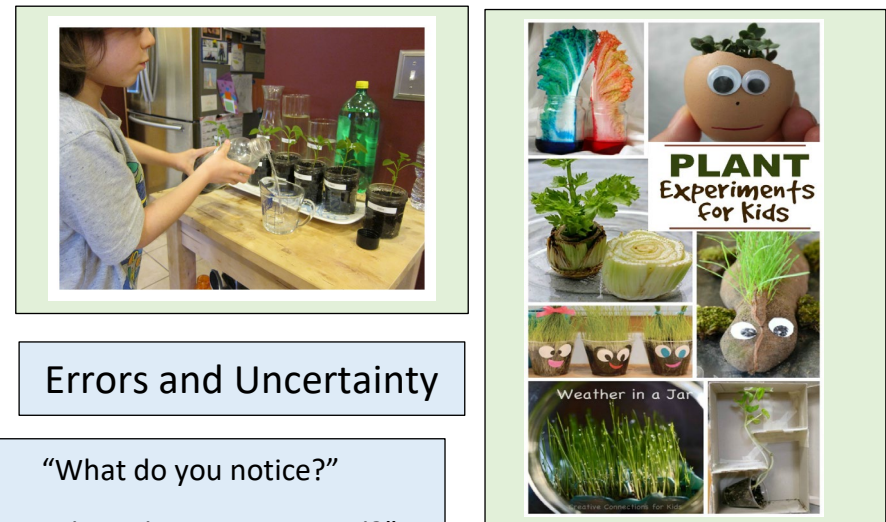
Asking Scientific Questions

E.g. What material is best for an umbrella?



Planning an Investigation

E.g. Observing how a plant grows over time



Errors and Uncertainty

“What do you notice?”

“Was that what you expected?”

“Could we try it again?”

Collecting, presenting and Interpreting data



Science in our world

Make science relevant to each individual in your class. You should try to consider, socioeconomic background, culture, religion, interests.

