



YEAR 3 SCIENCE KNOWLEDGE ORGANISER



Making Connections: Does Hand Size Affect Grip Strength?

🤔 BIG QUESTION: Does the size of your hand affect how strong your grip is?

🌟 Learning Outcomes	What I already know
• Recall knowledge from previous science units • Apply knowledge in new contexts • Carry out a full investigation • Gather, analyse and interpret data • Present scientific findings	This unit brings together learning from: • Animals including Humans (bones and muscles) • Forces and Magnets • Plants • Rocks and Soils • Uses of Everyday Materials



Key Vocabulary

Word	Meaning
Grip strength	How strongly you can hold an object.
Muscle	Part of the body that helps movement.
Bone	A hard structure that supports the body.
Variable	Something that can change in a test.
Prediction	A sensible guess before investigating.
Data	Information collected during a test.
Results	What happened during the investigation.
Conclusion	What the results tell us.
Evaluate	Thinking about how to improve a test.
Bar chart	A graph used to display results.
Friction	A force that helps surfaces grip.
Trustworthy	Results that are fair and reliable.

★ SCIENCE FACT

Scientists collect data, look for patterns and use evidence to answer questions.

In this unit you will work like a real scientist!