CROWN

Supporting discussion, design thinking, and argumentation.

CROWN is an argumentation tool. It supports students to communicate plans for, and critical evaluation of, designed solutions that meet present or future needs.

C Choices — What did you **choose** to do/make?

R Reasons — What were the **reasons** for your choices?

O Observe — What did you **observe** as and after you tested your design?

W Why? — **Why** do you think these things happened?

N Next time — What would you do **next time?**
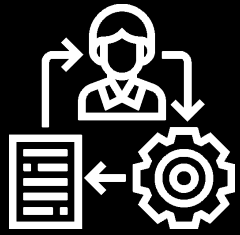
How?

- Informally and formally while students complete design tasks to prompt and scaffold discussion, and support presentation of findings, and argumentation.

Why?

"Research has shown that students will typically discount the data that they've collected, so they will often revert to their previous non-scientific ideas, unless they go through this form of discussion afterwards."

Julie Smith (2012) Primary Connections Curriculum Co-ordinator
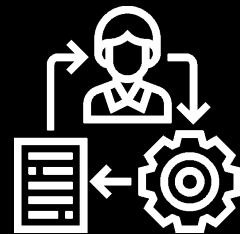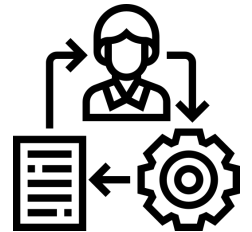
Supporting learning

- Use Science Question Starters to guide discussion.
- Use fair test investigations to support students to test and evaluate designs.

Gathering data

Evidence of students':
- use of science conceptual understanding to inform design choices
- testing, evaluating and refining prototypes
- justifying using claims and evidence
- design thinking
- collaborating and communicating technologically