



Robot Buddies

Creativity

Year 1 - 2

Summary

Students will design creative solutions to problems and improve designs using the BAR Key. They will work collaboratively to design and build a 'robot buddy' in a group of three using craft and/or recyclable materials. Students will learn how to follow and write a simple computer program which will highlight the importance of accuracy and precision. They will work in their group to create a program to instruct their robot to help them with a task in the bedroom before sharing their robots and programs at an exhibition.

Essential Questions

How do we communicate and improve design ideas?

Why are precision and accuracy important?

Rationale

Learning about the design process encourages us to consider how we use objects in our lives and how we can select materials to design and build new objects.

Future Action

Students will develop a curiosity about robots and programming. They will consider the purpose of different objects they use in their everyday lives and how they have been designed and built. Students will be reminded to think creatively as they use their Creativity Journal.