

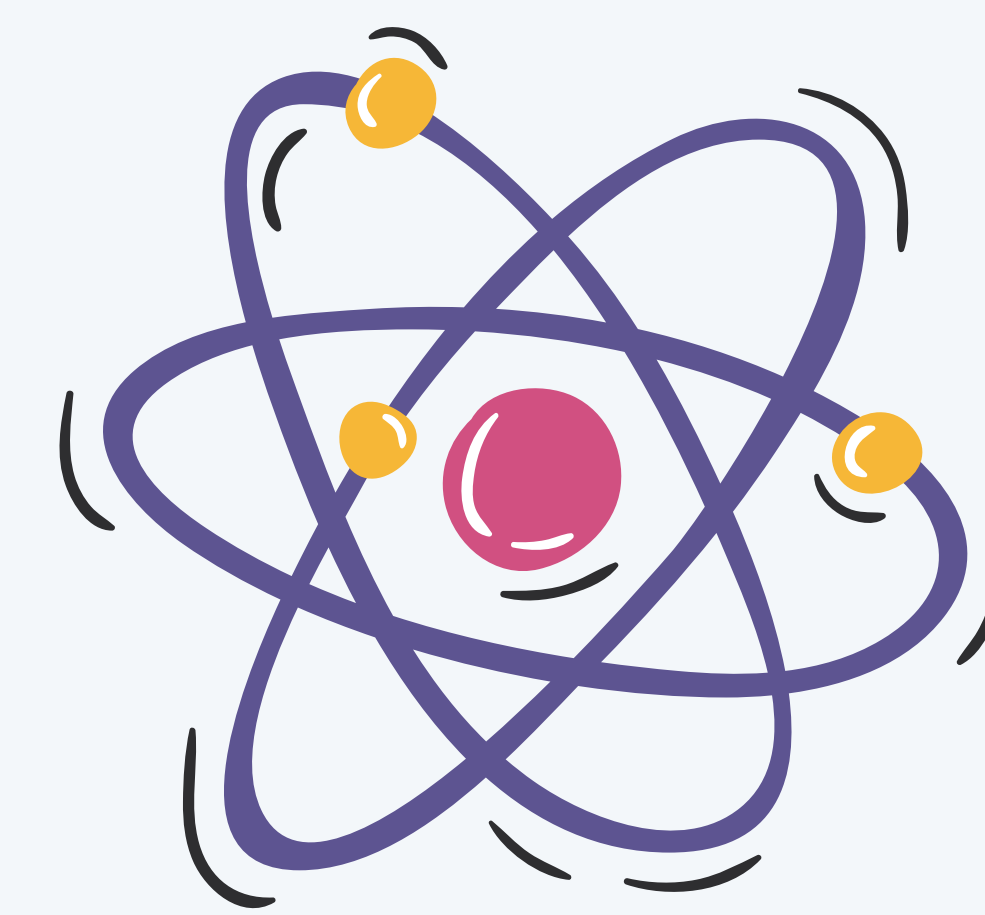
TERM 3 STEM 2024

Teacher - Paula Gaughan
The focus in Term 3 is Coding.

Students will learn that coding is a list of step-by-step instructions that get computers to do what you want them to do.

WHAT IS STEM?

STEM is an approach to learning and development that combines the subjects of Science, Technology, Engineering and Mathematics. This term the focus in STEM will be coding. Students will participate in hands-on activities and experiments and they will be challenged to provide instructions to robotic devices so they move in an intended manner.



PREP

Students will be introduced to the fun of coding and puzzle solving. They will learn to recognise that routine tasks involve completing a set of steps. Students will learn to think about the sequence of steps needed to solve simple problems. They will meet Colby, the Programmable Robot Mouse.

YEARS 1 & 2

Students will continue to learn the basics of coding. They will explore programmable devices including BeeBots and Colby, the Programmable Robot Mouse. They will think about the sequence of steps needed to solve a problem and be introduced to block coding.



YEARS 3 & 4

Students will continue to develop their skills in coding. They will think about the sequence of steps needed to solve a problem and will write sets of instructions for programmable robotic devices. They will use block programming and will be introduced to very small computers called micro:bits.

YEARS 5 & 6

Students will experiment with different ways of writing instructions that allow for more than one option. They will program robotic devices to operate independently. Students will continue to develop their skills in block coding and will further explore what micro:bits (tiny computers) can do.



IMPORTANT DATES

Science Week

10 - 18th August

HOW CAN YOU HELP?

Please save and bring in cereal boxes and plastic drink bottle lids. We would love any Lego or Duplo that you are no longer using.