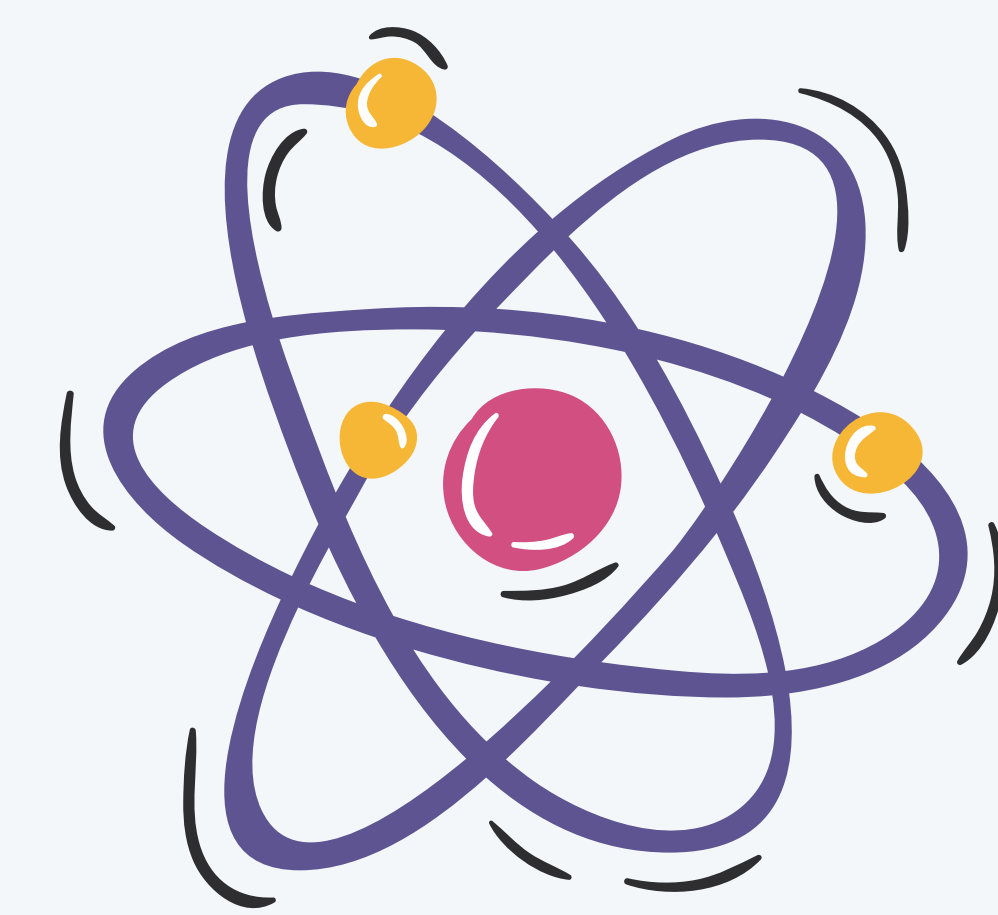


TERM 4 STEM 2024

The focus in Term 4 is Design and Technology.
Teacher - Paula Gaughan

CHALLENGES IN STEM

As students work through STEM challenges there is a lot to navigate. Students are learning to work with others, build stamina as they work through the engineering design process and learning what to do when designs do not turn out as planned.

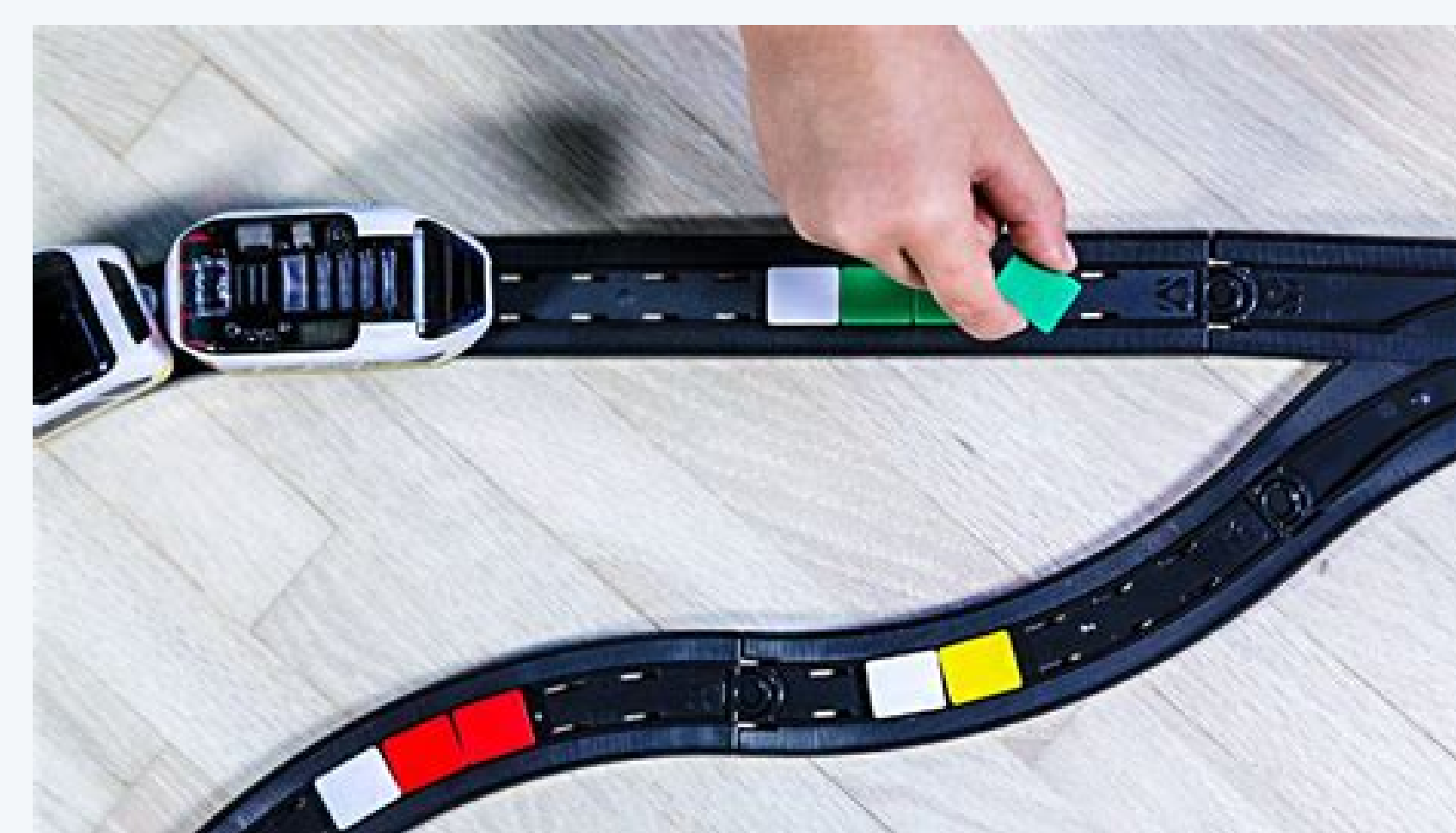


PREP

Students will explore the characteristics and properties of materials as they learn more about design thinking. Students will make houses from straw, sticks and bricks for the Three Little Pigs. They will test their houses to see if they can keep the pigs safe from the Big Bad Wolf.

YEARS 1 & 2

Students will use their knowledge of simple machines and the properties of materials in their design thinking. They will make a house using 3D shapes and think of materials to make windows to let light in. They will finish the year with coding and will be able to use the Intelino smart trains.



YEARS 3 & 4

Students will be introduced to circuit design and learn that different materials act as conductors of electric current. They will learn about the components, tools and equipment needed to create a house with lights. They will be introduced to Makey Makey to enable household objects to control a computer.

YEARS 5 & 6

Students will focus on design thinking and will investigate how circuits can control light, sound and movement. They will discuss suitable components, tools and equipment needed to create a house with lights. They will use software such as Makey Makey to enable household objects to control a computer.



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.

