Junior Primary	Middle Primary	Upper Primary
The students will explore the things that effect movement. Everything in their environment is constantly moving in one way or another and developing an understanding of movement relates to developing an understanding of energy. Through their investigations, students test their ideas about factors that affect movement. Through inquiry-based opportunities students will gain knowledge to find answers to questions such as; What is a force? How much force is needed to move an object? Does the object change shape	Students will have the opportunity to research and investigate how forces act upon objects on Earth, including direct forces, such as pushes and pulls, as well as forces which act at a distance such as gravity. Students will gain knowledge through inquiry-based opportunities to quantify their investigations to questions such as; Would a larger object fall to the ground before a smaller object? What happens when there is a balanced force on an object? What is energy? The below content descriptors and elaborators will be	The students will have the opportunity to investigate and discover how change to an object's motion is caused by unbalanced forces acting on the object. Through their investigations, students test their ideas about factors involving energy and force. Through inquiry-based opportunities students will determine information to questions such as; Are there different types of energy? What causes a balanced force? Are there different types of forces? What is energy? Why does an objects motion change from unbalanced forces?
when force is applied? Why do different objects move when different force is applied to it? The below content descriptors and elaborators will	the emphasis in teaching Science: A push or a pull affects how an object moves or changes shape (ACSSU033)	The below content descriptors and elaborators will be the emphasis in teaching Science:
be the emphasis in teaching Science: The way objects move depends on a variety of factors, including their size and shape (ACSSU005)	Forces can be exerted by one object on another through direct contact or from a distance (ACSSU076)	Change to an object's motion is caused by unbalanced forces, including Earth's gravitational attraction, acting on the object (ACSSU117)
A push or a pull affects how an object moves or changes shape (ACSSU033)	Exploring how non-contact forces are similar to contact forces in terms of objects pushing and pulling another object.	Investigating the effects of applying different forces to familiar objects. Investigating common situations where forces are
Exploring ways that objects move on land, through water and in the air.	Comparing and contrasting the effect of friction on different surfaces, with different objects.	balanced, such as stationary objects, and unbalanced, such as falling objects.
Exploring how different strengths of pushes and pulls affect the movement of objects. Comparing the way different sized, but similar	Investigating the effect of forces on the behaviour of an object through actions such as throwing, dropping, bouncing and rolling.	Investigating a simple machine such as lever or pulley system. Exploring how gravity affects objects on the surface
shaped, objects roll and bounce.	Exploring the forces of attraction and repulsion between magnets.	of Earth.