How The World Works

Central Idea
We can apply our knowledge of forces and motion.

Transdisciplinary Theme
An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment.

TERM 3 2016

HABITS OF MIND
Taking responsible risks
Thinking interdependently

PYP ATTITUDE
Cooperation

LITERACY FOCUS
Students will be exploring the text structure and features of instructional manuals by reading a variety of texts to instruct. Through their inquiry, they will be applying their knowledge and understanding of manuals by writing their own manual for a forces and motion machine.

NUMERACY FOCUS
Multiplication & Division (efficient written and mental strategies; Inverse operations)
Shape (Properties of 2D and 3D shapes)

TRANSDISCIPLINARY SKILLS
Thinking, Social, Self-Management, Research

CONCEPTS
- Connection (Force, Motion, Application)
- Function (Application, Variable)
- Change (Variable)

LINES OF INQUIRY
- Connection between forces and motion
- Variables that impact force and motion
- Application of forces in our real-life

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Throughout the Unit, ‘How We Organise Ourselves’, students inquired into the different ways people make decisions.

Students investigated into who and how decisions are made in a range of different settings such as at home, school and in the community.

Students analysed surveys which helped them understand different decision making processes and things others consider before making a decision.

Students explored the positive and negative impacts of a decision on individuals and groups.

OUR REFLECTIONS

“1 learnt about the process of decision making and the different impacts that a decision can have.”

Aiden Saliu H37

“I learnt about managing impulsivity and how it is important to think before you act. It also means staying calm and waiting for your turn.”

Shania Degabriele H37

“I learnt about accountable talk and how to disagree respectfully by using a range of sentence starters.”

Pranaanjalie Pradeepan H34

“I learnt about the people who make decisions, how they make them and how they decide.”

Brandon Jones H34

“I learnt how persuasive writing can influence decision making process and encourage a person to do something.”

Bradden Louey H35

“I learnt that decisions are made different levels and be used in various scenarios. People may persuade by writing or speaking to express their views.”

Katarina Stankovic H35