


**CAPS CURRICULUM**  
**Grade 6 NS and Technology**

 Can use LEGO

TERM 1 – Gr. 6		
Hours	Topic	Content, concepts and skills
7	Electricity	Electrical circuits and circuit diagrams
5	Electricity	Conductors and insulators
9	Energy transfers in an electrical circuit: system	Concept of a system Energy transfer from one part of a system to another cell/battery to circuit Resistance
3½	Energy transfer to surroundings	Energy transfer from different appliances or machines to surroundings
3½	Safety and electricity	Basic safety with mains electricity Insulation Illegal connections
		Test and practical task

28 hours in total

TERM 2 – Gr. 6		
Hours	Topic	Content, concepts and skills
10½	An electrical circuit to solve a problem: alarm system needed for protection	Technology process Design and make a solution to the problem: respond to a story or scenario (problem statement) and identify the problem regarding an electrical circuit needed to perform a certain function , e.g. design and make an alarm consisting of a battery, a buzzer or bell, switch.
9	Solar system	Solar system The sun The Earth Other planets The moon
8¾	Life on planet Earth	Features of the sun, Earth and moon Supporting life on Earth: key elements Ecosystem must provide sufficient Different ecosystems support different kinds of organisms:
		Test and mid year exam, one case study

28 hours in total

TERM 3 – Gr. 6		
Hours	Topic	Content, concepts and skills
3½	Mixtures, Solutions and Melting	Melting and dissolving Mixtures Dissolving Melting
8¾	Soluble and insoluble substances	Soluble and insoluble substances Mixtures Solutions Conservation of matter
10½	Rate of dissolving	Factors that affect the rate of dissolving
5¼	Environment and water resources	Importance of water for plants and animals ecosystems Wetlands
		Test and translation task and practical task

28 hours in total:

TERM 4 – Gr. 6		
Hours	Topic	Content, concepts and skills
7	Nutrition	Food groups
3½	Health of the planet	A healthy environment is important for the health of people
10½	Animals with skeletons and Movement	Types of skeleton Human endoskeleton Movement – Endoskeleton and Endoskeleton
7	Types of movement	<p><b>Movement:</b> Different types:</p> <ul style="list-style-type: none"> <li>• linear (straight line)</li> <li>• reciprocal (up and down)</li> <li>• rotary (round and round)</li> </ul> <p>Identify machines used to cause movement (indigenous knowledge) such as cranks, pulleys, gears</p> <p>Operate models of</p> <ul style="list-style-type: none"> <li>• crank } <b>Bk 3 pg 41 - 49</b></li> <li>• windlass } <b>Bk 3 pg 23 - 27</b></li> <li>• pulley }</li> <li>• gears } <b>Bk 3 pg 59 - 91</b></li> </ul> <p>prepared by the teacher</p>
		Project, practical, test and exam

28 hours in total