

## Grade 10 Technical Sciences

### Term 2 Topics according to CAPS

MECHANICS					MATTER AND MATERIALS		
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
<ul style="list-style-type: none"> <li>• Moments of force (torque)</li> <li>• Calculations</li> </ul>	<ul style="list-style-type: none"> <li>• Law of moments</li> <li>• Cantilever beams</li> <li>• Shear forces</li> <li>• Bending moments</li> <li>• Conditions of eq.</li> </ul>	<ul style="list-style-type: none"> <li>• Simple machines</li> <li>• Lever</li> <li>• Fulcrum</li> <li>• Types of levers</li> <li>• MA</li> </ul>	<ul style="list-style-type: none"> <li>• Potential energy</li> <li>• Calculations</li> </ul>	<ul style="list-style-type: none"> <li>• Kinetic energy</li> <li>• Mechanical energy</li> <li>• Calculations</li> </ul>	<ul style="list-style-type: none"> <li>• Classification of matter:</li> <li>• Pure substances</li> <li>• Elements</li> <li>• Compounds</li> </ul>	<ul style="list-style-type: none"> <li>• Naming of compounds</li> <li>• Cations and anions</li> <li>• Molecular formula</li> </ul>	<ul style="list-style-type: none"> <li>• Balancing of equations</li> </ul>

## Graad 10 Tegniese Wetenskappe

### Kwartaal 2 Onderwerpe volgens KABV

MEGANIKA					MATERIE EN MATERIALE		
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
<ul style="list-style-type: none"> <li>• Moment van kragte</li> <li>• Berekeninge</li> </ul>	<ul style="list-style-type: none"> <li>• Wet van momente</li> <li>• Kantelbalk</li> <li>• Skeerkragte</li> <li>• Buigmoment</li> <li>• Voorwaardes vir ewewig</li> </ul>	<ul style="list-style-type: none"> <li>• Eenvoudige masjiene</li> <li>• Hefboom</li> <li>• draaipunt</li> <li>• Tipes hefbome</li> <li>• MV</li> </ul>	<ul style="list-style-type: none"> <li>• Potensiele energie</li> <li>• Berekeninge</li> </ul>	<ul style="list-style-type: none"> <li>• Kinetiese energie</li> <li>• Meganiese energie</li> <li>• Berekeninge</li> </ul>	<ul style="list-style-type: none"> <li>• Klassifikasie van materie:</li> <li>• Suiwer stowwe</li> <li>• Elemente</li> <li>• Verbindings</li> </ul>	<ul style="list-style-type: none"> <li>• Name van verbindings</li> <li>• Katione en anione</li> <li>• Molekulêre formule</li> </ul>	<ul style="list-style-type: none"> <li>• Balansering van vergelykings</li> </ul>