



LEVEL 1 - ENGINEER

DO THREE OF THE FOLLOWING



1	Name and explain the use of five different kinds of machines such as trucks, construction machinery or farm machinery.													
2	<p>Explain the functions of the following items:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center; vertical-align: middle;">a.</td> <td style="width: 75%;">Pulley.</td> <td style="width: 20%;"></td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">b.</td> <td>Lever.</td> <td></td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">c.</td> <td>Wheel and axle.</td> <td></td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">d.</td> <td>Demonstrate how each of the above items makes heavy work easier to manipulate and complete.</td> <td></td> </tr> </table>	a.	Pulley.		b.	Lever.		c.	Wheel and axle.		d.	Demonstrate how each of the above items makes heavy work easier to manipulate and complete.		
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3	Explain how solar power works through appliances such as a solar hot water system.													
4	Make a small model of a boat with a rudder and demonstrate how it can be made to move by itself. Explain the use of a rudder.													
5	Complete a working drawing of a machine such as a wind pump or water turbine, showing top/bottom and side views and explain how it works with the appropriate power source.													
6	Make a working machine model using a mechanical construction set and explain the possible functions your machine could perform.													
7	Find out about a famous engineer and share what you have learnt.													

EXAMINER:

DATE COMPLETED:

CUBS TESTED			
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