

# THE HACKSAW

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On behalf of The World Association of Technology Teachers

# W.A.T.T.



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1. What materials are cut to size / shape using a hacksaw?

2. Why are hacksaws adjustable (sometimes hacksaws are referred to as adjustable hacksaws)?

3. What is meant by the abbreviation TPI ? Explain your answer.

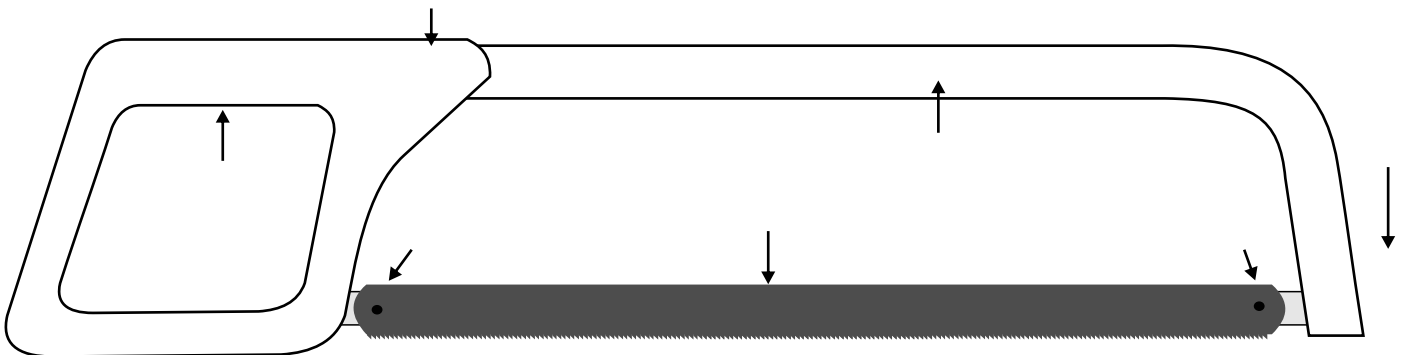
4. Complete the table below. This refers to teeth per inch (25mm) and the type of material each hacksaw blade is most suited to cut.

TEETH PER INCH (25mm)	SUITABLE FOR CUTTING
14 TPI	
18 TPI	
24 TPI	
32 TPI	

5. Complete the diagram of the adjustable hacksaw by:

Adding the missing parts.

Adding the names of the identified parts.



6. Explain how the blade of a hacksaw is changed. You should also explain the direction in which the teeth of the blade should point if the blade is correctly set up.