

CLICK ON THE SMALL CIRCLES FOR LINKS TO USEFUL INFORMATION.

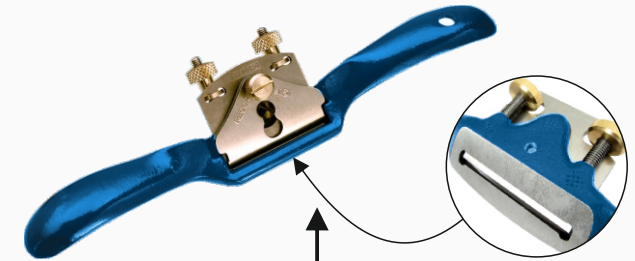
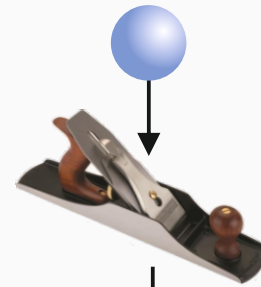
PLANES AND HOW THEY ARE USED

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS <https://www.facebook.com/groups/254963448192823/> www.technologystudent.com © 2021 V.Ryan © 2021

2. What can be applied to the underneath of a plane (called the 'sole face'), ensuring it glides smoothly across the surface of the wood?

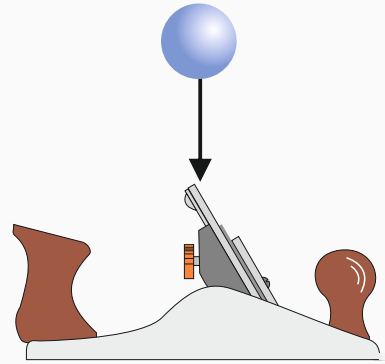


1. Describe the general use of a smoothing plane (shown below).

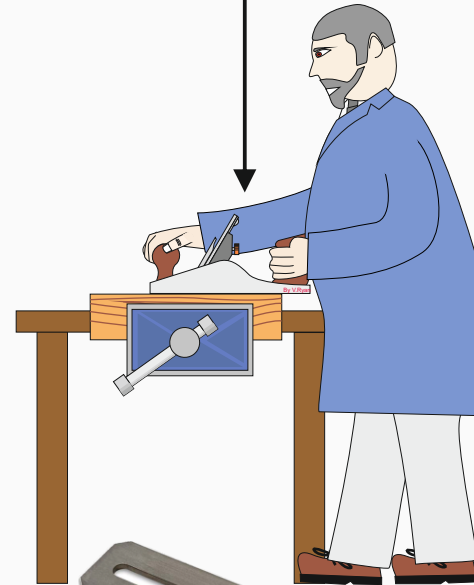


7. Search the internet for information, regarding the use of a 'spoke shave'. With the aid of images, explain their use.

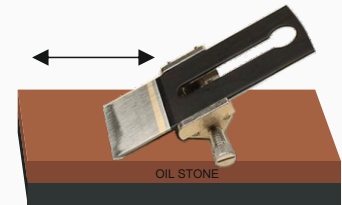
3. Draw a **labelled** diagram of a smoothing plane.



4. Select four of the planes shown opposite. Briefly describe their use / purpose. Include the name and image for each of the planes you select.



5. *Sharpening a plane blade:* Name the machine used to produce the 'grinding angle', for a plane blade. Include an image of this type of machine. Also, what is the grinding angle of plane blade, in degrees?



6. Explain the purpose of producing the 'honing angle', on a plane blade. Include a description and image / sketch of the process. What is the honing angle for a smoothing plane blade?

EXTENSION WORK

Describe the use of a machine / power planer. Include either images or sketches.

