

**Classifying tools:** Write down the differences observed when using various levels of tools to make a small hole on a thin piece of wood, as indicated for each level:

**Level 0:** When we use only our own body as a tool, i.e. no help from other objects or actions from the environment (e.g. pounding with our own fists).

Make a hole through a thin piece of wood – **Using only your hands and fingers (can you do it?).**

Comments:

**Level I:** We use help from natural existing, unmodified, raw objects (e.g. raw rocks and sticks from nature)

Make a hole through the same piece of wood as before – **Using a rock and/or a stick (as available).**

Comments:

**Level II:** We use raw natural objects (Level I), modified only with simpler structural mechanical changes (e.g. sharpened rocks and sticks. metal objects)

Make a hole through the same piece of wood as before – **Hand-using a sharp point blade or knife (consider including a hammer and a nail or even a drill bit).**

Comments:

**Level III:** We use modified level II tools improved with additional power (energy) features (e.g. steam, wind and electric power tools)

Make a hole through the same piece of wood as before – **Using a hand or electrical-powered drill fitted with sharp bit.**

Comments:

**Level IV:** We use Level III tools improved with additional decision-making (smart, intelligent) features, typically assisted today by effective and efficient mechanical, electrical and electromagnetic power and information management components (e.g. programmable CAD/CAM and robotics tools).

Make a hole through the same piece of wood as before – **Using a programmable, automated mechanical or laser cutter (as available).**

Comments: