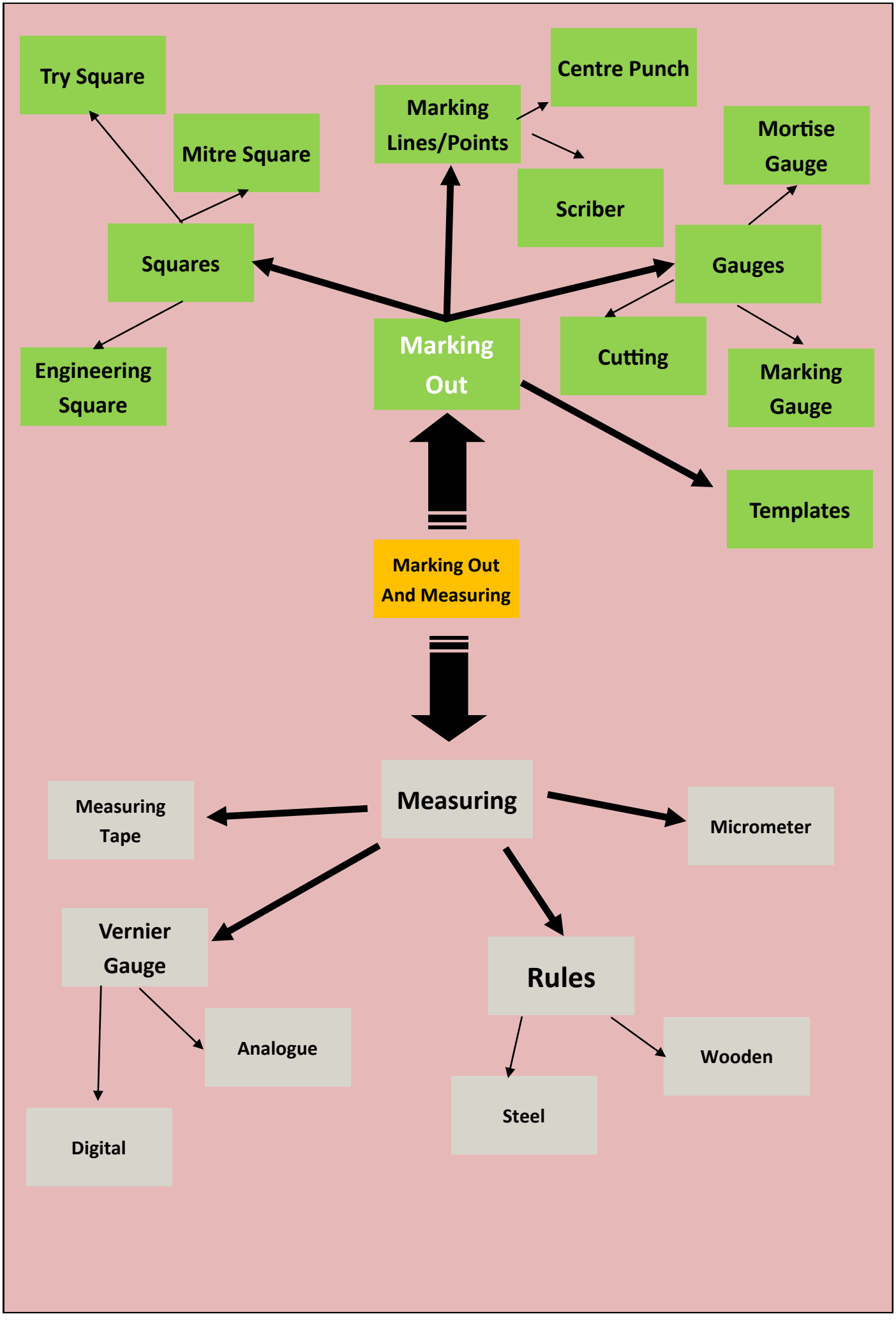
Try Square
Mitre Square
Squares
Engineering Square
Centre Punch
Marking Lines/Points
Scriber
Mortise Gauge
Gauges
Cutting
Marking Gauge
Marking Out
Templates
Marking Out And Measuring
Measuring
Measuring Tape
Micrometer
Vernier Gauge
Analogue
Digital
Rules
Wooden
Steel

MARKING OUT AND MEASURING FACTSHEET

Measuring

MEASURING FACTSHEET

Rules

Uses

- For measuring up to 300mm in length

Advantages

- Rigid form which means it will not bend and flex

Disadvantages

- Ends can get worn so the measurements are not accurate

MEASURING FACTSHEET

Measuring Tape

Uses

- For taking measurements up to 5 metres

Advantages

- Longer, so more versatile

Disadvantages

- Can become twisted and break
- Ends can break off making them useless

MEASURING FACTSHEET

Gauges

Uses

- Making lines from a datum point/line
- Making locations for mortise grooves
- Creating cut lines

Advantages

- Greater accuracy
- Easier to start a cut (Cutting Gauge only)
- Can be used to make the same dimensions across different locations

Disadvantages

- Points/blades become blunt over time
- Some parts may become lost making them useless
- Datum lines have to be accurate

MEASURING FACTSHEET

Templates

Properties

- Can be made from any material

Uses

- Used for marking out multiple shapes/designs ensuring they are all identical to each other.

Advantages

- All designs/shapes are identical
- Speeds up marking out times
- Designs/shape templates can be reused at a later date

Disadvantages

- Can become worn and inaccurate over time

MEASURING FACTSHEET

Micrometre

Uses

- Measuring material thicknesses to a high degree of accuracy
- Internal Micrometre can be used to measure internal dimensions e.g. hole diameters

Advantages

- Highly accurate, measuring to 0.01mm

Disadvantages

- Can be difficult to read if inexperienced
- If dropped can be broken easily
- Expensive to buy
- Highly accurate, measuring to 0.01mm

MEASURING FACTSHEET

Vernier Calliper

Uses

- Measuring material thicknesses to a high degree of accuracy
- Used to measure depths
- Used to measure internal diameters

Advantages

- Highly accurate, measuring to 0.01mm
- Digital versions are easier to read compared to micrometres
- More versatile to a micrometre

Disadvantages

- If dropped can be broken easily
- Expensive to buy
- Highly accurate, measuring to 0.01mm

MATERIALS FACTSHEET

Marking Out

MARKING OUT FACTSHEET

Scriber

Uses

- Marking lines on materials like metal and plastic which will later be used for cutting, bending or scoring.

Advantages

- Greater accuracy
- Lines are easier to see especially when used with engineering blue.

Disadvantages

- Point become blunt over time
- Lines can be difficult to see on certain metals/plastics

MARKING OUT FACTSHEET

Centre Punch

Uses

- Marking points on materials like metal and plastic which will later be used for drilling

Advantages

- Greater accuracy
- Drill bit less likely to slip or move around when starting a hole

Disadvantages

- Point become blunt over time
- Punch marks can be difficult to see on certain plastics
- Possible chance the head will mushroom with continuous sharpening