

Combinations include:

- Bench Mounted
- Hand Held Electrical and Hand Held Engine Driven
- Hand Held Engine Driven
- Hand Held Electrical
- Bench Mounted, Hand Held Electrical and Hand Held Engine Driven
- Bench Mounted and Hand Held Electrical
- Bench Mounted and Hand Held Engine.

Course Objectives:

To enable course members to:

- Understand the nature of the hazards and identify the causes
- Identify and understand requirements and responsibilities under the current legislation
- Understand the characteristics of abrasive and their action
- Understand and interpret the marking system of abrasive wheels
- Recognise the need for careful handling of abrasive wheels and carry out visual check and ring tests (bench grinders)
- Understand and identify what speeds should be adhered to in wheel selection
- Identify main components and understand their functions
- Mount an abrasive wheel and /or a diamond blade
- Understand the difference between truing and dressing a wheel, undertake dressing a wheel and identify dressers (bench grinders)
- Adjust work rests correctly (bench grinders)
- Use operating precautions and be aware of avoiding hazardous conditions
- Demonstrate their knowledge on abrasive wheels and diamond blades
- Carry out daily maintenance on petrol powered machines

Who is the course designed for?

Any person who are required to use abrasive wheels or petrol powered saws and supervise their use.

Duration:

1 day

Instructor/Trainee Ratio:

1:6 Max

Course Content:

GENERAL:

- Introduction and aims of course
- Legislative responsibilities
- Abrasive wheel characteristics and cutting action
- Abrasive wheel composition and marking system
- Wheel and spindle speed Inspection, handling, storage and transport
- Personal Protective Equipment
- Abrasive wheel components
- Hazards arising from use of abrasive wheels and saws

ABRASIVE WHEELS:

- Mounting an abrasive wheel
- Adjustment of work rests
- Truing and dressing the wheel
- Mounting a diamond blade
- Fault finding

PETROL DRIVEN SAWS:

- Diamond blades
- Maintenance

USE OF EQUIPMENT:

- The safe use of equipment

PRACTICAL ASSESSMENT AND ASSESSMENT OF UNDERPINNING KNOWLEDGE

Equipment and Facilities:

Trainee equipment

- Eye protection (CE EN166 B)
- Suitable protective workshop clothing
- Bench mounted grinder, petrol driven saw, and hand held machines (relevant to each course) in safe working order.

Venue

- Work place, adequate and complying with workplace regulations with materials to cut and grind and clamping equipment.
- Room with table and chairs