

Face Shields

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | PPE & Protection



Photo: Jan Ber?nek — CC BY-SA 3.0 — via Wikimedia Commons (3D_printing_of_face_shields.jpg)

A face shield is a clear visor worn over the face for protection against flying debris, sparks and splashes while leaving visibility clear. It is used over safety glasses for grinding, cutting, stripping paint and chemical jobs where the whole face is at risk.

Key Features

- Clear polycarbonate or acetate visors
- Headband with ratchet sizing
- Over-glasses models available
- Visors replaceable when scratched
- Light enough for extended wear

Typical Uses in the Workshop

- Grinding and wire-brush work that throws particles
- Cutting with angle grinders and chop saws
- Chemical handling and stripping tasks
- Sanding overhead where debris falls on the face

Safe Operation

1. Adjust the headband so the shield sits clear of the face
2. Wear safety glasses underneath as well
3. Angle the visor forward for impact work
4. Replace the visor when vision is impaired
5. Clean after use with a soft cloth

SAFETY NOTES

- A shield alone is not eye protection - wear glasses as well
- Replace cracked or crazed visors immediately
- Wash chemical splashes off the visor before reuse
- Do not use for welding without a welding filter
- Check the headband holds the shield in place

Maintenance & Consumables

- Clean visors with mild soap and soft cloths
- Check the headband and mount for wear
- Replace visors when scratched or crazed
- Store shields on hooks, not stacked
- Disinfect between users in classrooms

Specification & Buying Notes

Buy lightweight shields with replaceable visors and size-adjustable headbands. Keep spare visors in stock; they scratch fast in class use. Choose anti-fog versions for warm workshops.