

VEX Field Perimeter Tiles

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Robotics & Mechatronics

VEX field perimeter tiles are the floor and barrier system that defines an official competition field, with interlocking foam tiles and flexible barriers that keep robots inside the playing area. They give teams a regulation surface for practice and events.

Key Features

- Official 3.66 x 3.66 m field size
- Interlocking foam tiles
- Flexible perimeter barriers
- Anti-skid and robot-friendly surface
- Quick assembly and storage

Typical Uses in the Workshop

- Practise on a regulation competition field
- Run line and sensor tests in stable light
- Host inter-school scrimmages and events
- Teach field setup and dismantling

Safe Operation

1. Lay the tiles on a level floor
2. Interlock the tiles and fit the barriers
3. Check the field is clear and flat
4. Secure the perimeter where needed
5. Dismantle and stack for storage

SAFETY NOTES

- Lift tiles with two people - they are heavy
- Keep the field area clear of cables
- Do not stack tiles too high
- Check tiles for damage that trips
- Store flat to avoid warping

Maintenance & Consumables

- Clean tiles with a damp cloth
- Check the interlock edges for wear
- Replace damaged tiles
- Keep the field kit in its storage bag
- Level the floor before assembly

Specification & Buying Notes

Buy the official field kit for the competition season; clone fields are rarely regulation. Spare tiles for the high-wear areas are a sensible extra. A storage bag and trolley help.