MakeBlock (mBot)

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Makeblock is a highly customisable robotics platform, combining learning of the more conceptual side of app-based programming with hands-on use of 'real' electronics.

Utilising manual dexterity in its 'Meccano-like' DIY construction, the Makeblock range includes 500 individual highly modular metal parts. Used in conjunction with the unique Makeblock range of coloured coded electronics modules, these are screwed together to form creations from the base model kit robots 'mBot' and 'Ranger', right up to electronic guitars, drones, 3D printers, drawing machines and many forms of interactive robot.

The various electronic modules, including LED displays, blu-tooth modules, temperature and sound and motion sensors, are easily wired to a circuit board, resulting in a fully codeable robot, controlled straight from your tablet or phone.

Recommended Ages	Year 3+ (ages 8+)
Product Cost	mBot - $120-$150 mBot Ranger $250-$270
Where to Purchase	Available from electronic stores such as Pakronics or LittleBird Electronics

Product Requirements

- A tablet or smartphone is required

Loanable Kits

State Library has kits of this item available for loan to libraries within the Regional Libraries Queensland and Indigenous Knowledge Centres network. Libraries can place a reservation through the Aurora catalogue (availability is subject to existing reservations, loans and associated return dates).

The kits are for use by patrons within the library only, as part of supervised library programming. They will not be listed in the public online catalogue for personal reservation.

Please contact Access Services, or phone 07 3842 9014 with any queries.

Kit Contents

- 1 mBot
- 1 mBot Ranger

Resources

Video Tutorials

- The light sensor
- Object avoidance
- Line following
- Makeblock app