littleBits

littleBits allow anyone to build, prototype and learn about electronics. littlBits kits contain parts, called modules, which are coloured according to their specific role within the circuit (that is, input, switch, wire and output). The modules snap securely into place using a conductive, magnetic connection, meaning they cannot be put together incorrectly. Students create circuits using only littleBits modules or as part of a larger project involving everyday materials such as art supplies or food. Projects are limited only by people’s imaginations.

Specifications

littleBits are suitable for primary, junior secondary and special education students.
No internet connection or computer is required to use littleBits (excluding the cloudBit).

A variety of kits and additional modules can be purchased. Please note: At this point in time, the CloudBit is not compatible for use within DET’s network.

Helpful Inks

littleBits project page
See the design process in action
littleBits sample lessons
littleBits YouTube Channel
Educator Resources

Getting started

Setup is not required. Simply open the box and start snapping.
Each littleBits kit includes a user manual covering:
- basics information about littleBits
- information about each module included in the kit
- circuit ideas to get started (using only littleBits)
- project ideas using littleBits and a range of other materials.

In the classroom

littleBits are ideal for:
- your coding or robotics club, or Makerspace
- multimodal assessment tasks
- introducing students to energy and electricity
- measuring heat and its effects (using the littleBits temperature sensor)
- helping teach the design process
- designing and printing models for design challenges
- assisting in teaching about push and pull forces.

Information Privacy Policy: Students are not required to provide personal information to use littleBits out-of-the-box).

Purchasing and Procurement: Purchasing guidelines can be found on OnePortal. See your Principal or relevant Finance Delegation Holder for more information.

Please note: The Department of Education and Training does not endorse the use of any product or supplier. Before making any decision to purchase, ensure you have assessed, at a minimum, the product’s educational benefits, value for money, risk, and warranty options.

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