Through a sequence of experiments, students explore digital systems, coding and core computing concepts.

B4 Digital Computer Brain

Primary

Primary School Starter Kit Binary Numbers • Variables • Adding • Pixel Graphics

Secondary

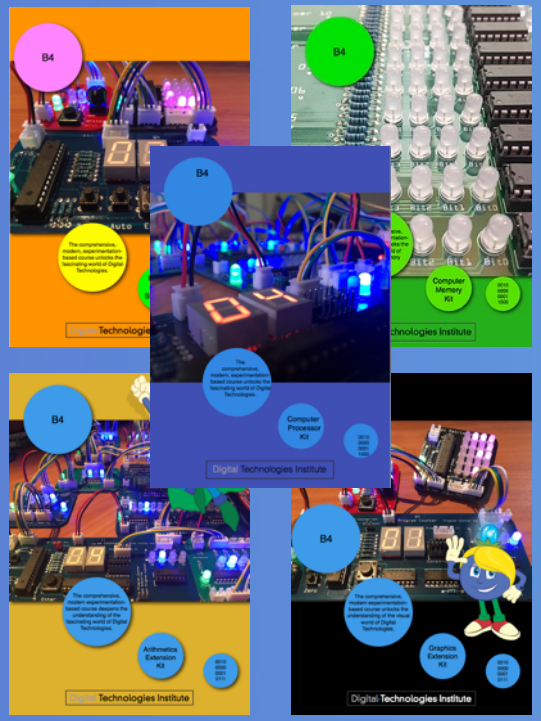
Computer Processor Kit
Binary Numbers • Variables • Memory • Digital Systems • Sequences • Building a 4-bit Computer

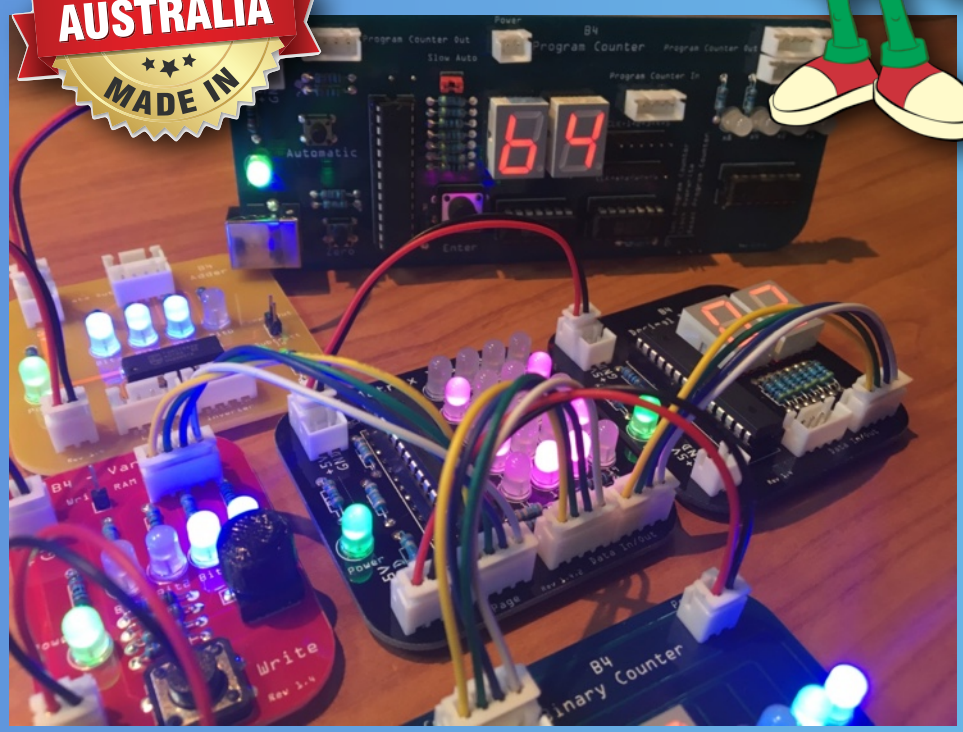
Graphics Extension Kit
Pixels • Animation

Arithmetics Extension Kit
Loops • Data Pointers • Fibonacci Numbers

Computer Memory Kit
RAM • Computer Architectures • Engineering

CONTENT





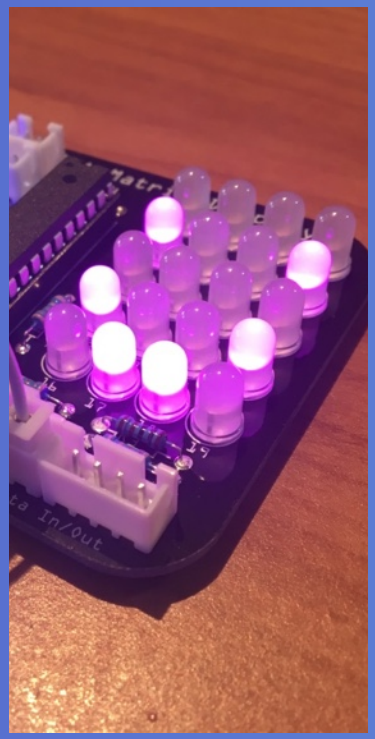
How does a computer work?
How does it add?
What is computer graphics?

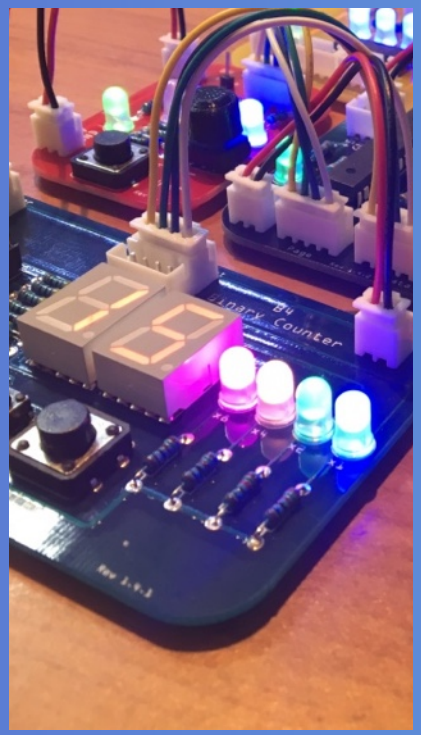
SUITABLE FOR PRIMARY AND SECONDARY

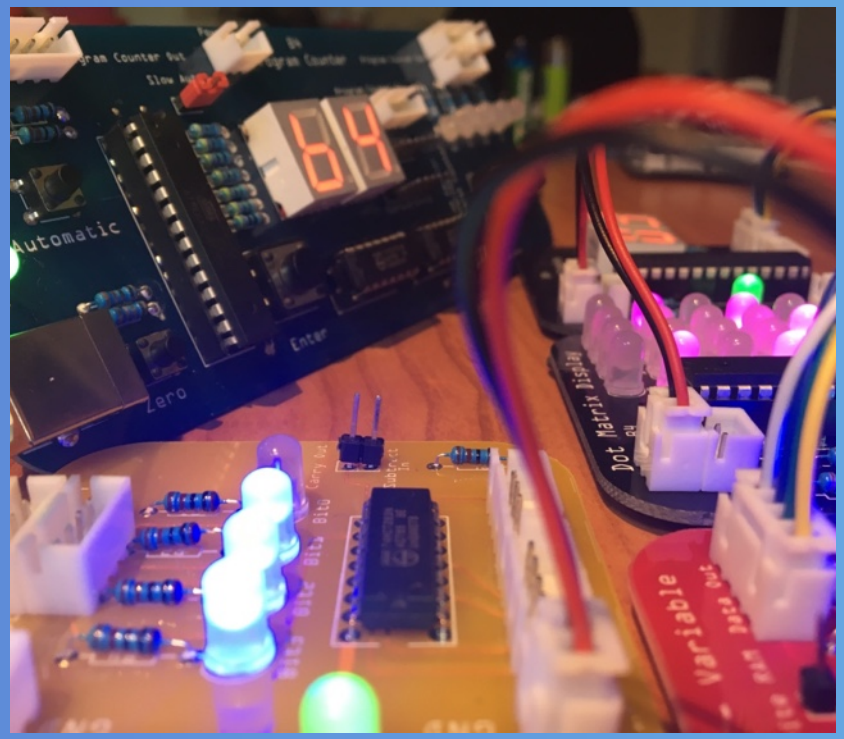
Digital Technologies Institute

Find more info on the web:
digital-technologies.institute

Open, interactive, programmable and beautifully m • o • d • u • l • a • r







Experience Digital Technologies Like Never Before.

The B4 Digital Technologies Learning System is a term-long complete unit suitable for primary and secondary school students, consisting of:

- physical and online kits,
- booklets (printed+online) of easy to follow lessons,
- video tutorials, mentoring & support by STEM professionals.

The B4 supports deep enquiry-based learning and differentiated student projects. The experiments stimulate problem-solving, collaboration, creativity and critical thinking.

The B4 is a complete STEM kit in a box. Teacher PD workshops are available.

The Digital Technologies Institute has carefully transformed core computing concepts into a syllabus and lesson plans suitable for primary and secondary students.

25.7.2018