



**DYNABOOK.
THE LAPTOP EXPERTS,
RIGHT FROM
THE VERY FIRST.**



 **Windows 10**
Windows 10 Pro means business

EDUCATION RANGE 2019/2020

dynabook

**MEET THE WORLD'S FIRST LAPTOP.
ALSO, THE FIRST OF MANY OTHER
WORLD FIRSTS.**



In 1985, we launched the world's first laptop, the famous T1100 (shown left), and helped trigger the mobile computing revolution.

We've been committed to mobile computing and to innovation ever since.

Weighing 4.1 kg, the T1100 was a commercial success and a major technical achievement. Its development is recognised by the IEEE on its roll of milestones in electrical engineering, one of only 17 listed for the 1980s. The IEEE (Institute of Electrical & Electronics Engineers) is the world's largest association of technical professionals.

Pride in our past will guide our future.

We were a relatively small division at Toshiba when we developed and launched the T1100.

Building on its success, the design and engineering team went on to produce a series of world firsts – over 30, so far – driven by clear vision, and technical and scientific skill.

Today, pride in our history drives us to live up to those standards and develop ever more capable, desirable and reliable mobile computers. The devices in our education range, like the X30 (right), are evidence of this commitment.

WORLD FIRSTS AND OTHER ACHIEVEMENTS

1985: world's first industry standard laptop
1988: first laptop with an internal hard disk drive
1991: first laptop with an active matrix screen
1992: first laptop with a colour thin film transistor (TFT) display
1993 - first pen based Tablet PC
1995 - first laptop with a CD-ROM drive
1995 - first laptop with Lithium Ion battery
And over 20 other world firsts since then.
Achieved global market leadership in the 1990s.
Over 165 million devices sold.

Dynabook today: stronger than ever.

Majority ownership of Toshiba's laptop division was recently taken over by Sharp. To reflect this significant change, the division has been re-named Dynabook. Now we have the financial stability and resources to once again lead the way.

We're building a new factory. We're working closely with Intel and Microsoft. We have new products and technologies in the pipeline.

We're still the laptop experts, we're here to stay, and we plan to continue to lead the way.



A QUICK HISTORY LESSON

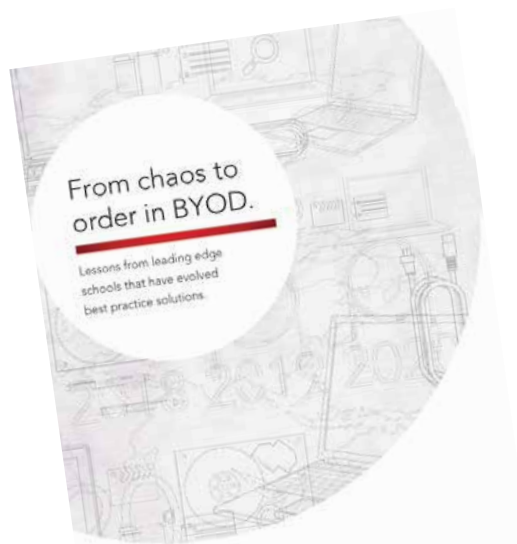
It is important that schools have a hardware vendor they can rely on, not just for devices, but also for continued service and support. After 30 years working with schools in Australia and New Zealand, history is on our side.

Our laptops were the first to go to school in Australia.

In 1989, Toshiba's T1100SE became the first laptops ever introduced by a school for use by students. Since then, we've remained committed – without interruption – to the education sector in ANZ. We're here to stay and here to help.



An image from Toshiba's 2005 education brochure - a retouched 'class portrait' to highlight our history in the education sector.



A recent white paper reviewed the approaches to BYOD taken by schools we've worked with. We identified success factors, key challenges, a process plan and more. For a copy, contact your local Dynabook education specialist (contact details on back page).



Pushed to the limits: MIL-STD810G.

MIL-STD810G was defined by the US Department of Defense to give manufacturers a set of standards to reach in designing devices for their use. Naturally, the tests are tough, and cover a variety of extreme conditions.

- PROLONGED HEAT: cycling between 30° ~ 60° C in a sealed environment for 24 hours x 7 cycles.
- HUMIDITY: 10 days in an environment of 95% humidity.
- RAPID TEMPERATURE CHANGE from -20° to 60° C in 6 hours
- VIBRATION: Front/back, left/right, up/down - 1 hour sustained vibration for each axis.
- SHOCK: impact from 6 directions x 3 times.



26 DIFFERENT WAYS TO DROP A NOTEBOOK: One MIL-STD 810G test requires devices to be dropped from 76 cm (the height of an average desk). We repeat the test from 26 different angles, looking for weaknesses and eliminating them. Tests are performed by an independent, third-party certification organization - TÜV Rheinland Japan.

Unlike some manufacturers, we don't just design to these standards, we physically test and improve our devices until they meet them*.

* No guarantee of damage or failure.

3 years in a few days: the highly accelerated lifetime test.

HALT tests are designed to identify weak points in design, connectors, components and assembly by simulating 3 years of intense use. Techniques include:

- cycling repeatedly between high and low temperatures.
- subjecting the design to long periods of random vibrations and shocks.



HALT TESTING IS UNRELENTING: By testing for a lifetime's use, we're able to identify potential weaknesses and improve the designs before they go out into the real world.

Data from the tests is fed back into the design process, a virtuous cycle leading to steady improvements in quality in design and manufacturing.

THE BOTTOM LINE: RELIABILITY IMPROVES LEARNING OUTCOMES.

When a device fails, it disrupts a student's ability to work, and may affect fellow students, teachers, IT staff and parents. By focusing on reliability, Dynabook reduces the frequency and severity of disruption and leads to better learning outcomes.

Ask about our industry-leading reliability rates.

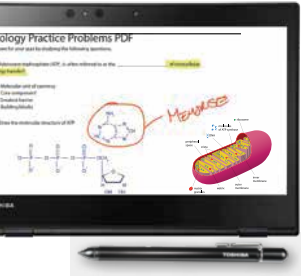
Talk to a Dynabook education specialist about our field failure data and compare this with your past and current devices. Contact details are on the back page.

TRANSFORM LEARNING ACROSS THE CURRICULUM AT THE STROKE OF A PEN.

Keyboards are efficient for typing words into documents and numbers into spreadsheets, but when it comes to practising calligraphy, composing music, capturing notes and creating original works, pen-input provides an observable advantage. A deep menu of nibs and brushes lets students select tools that suit each task and work in the way that works best for them.

Make it easier to work in STEM subjects.

Dynabook's X20 and X30T come equipped with pro-grade digitizers and the processing power to accurately capture the detail in handwriting and drawings. This makes them valuable in STEM subjects for sketching experiments, writing equations, drawing observations and other tasks that are difficult or impossible to do with a keyboard.



X20

A convertible notebook that folds into a high performance tablet.

The enterprise-grade Portégé X20 features a 360° dual-action hinge that rotates the screen into tablet mode for writing and drawing. This fully-equipped 2-in-1 with natural touch and pen-input is a flexible learning device well suited to STEM subjects.



FROM 1.1 KG

UP TO 11 HOURS*

THUNDERBOLT™ 3

TOUCHSCREEN

FAST CHARGE



* Battery Life rating based on Mobile Mark™ 2014. Rating is for comparison purposes only, and does not indicate the battery life that will be obtained by any individual user. Actual battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components



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3 YEAR WARRANTY

The standard, 3 year enterprise-grade warranty reflects our confidence in our devices.

Because we have complete confidence in our process, our people and our planning, we provide a 3 year warranty as standard with all devices in the education range. This includes courier pick-up and return.

Tailored service upgrades include:

- next business day on-site service.
- assured services program.

What do you need? Talk to your Dynabook education specialist (see back for contact details).

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IN-COUNTRY, IN-HOUSE SERVICE, WARRANTY & REPAIRS

Dynabook has invested heavily in service infrastructure to help minimise disruption if something should happen to a device. To support fast turnaround on our warranty and services we have:

- a nationwide network of Authorised Service Centres and Service Partners who are fully trained.
- spare parts are held in-country and buffered to meet predicted requirements, with additional age-based buffers on education models.
- warranty and service repairs are carried out in Australia, not overseas, avoiding long delays.