The new name from the laptop experts.

Dynabook recommends Windows 10 Pro for business

# THE RESULT OF 31 YEARS OF LEARNING.

DYNABOOK'S EDUCATION RANGE 2021/2022





TOSHIBA

openbook

Weighing 4.1 kg and sporting twin internal floppy disk

drives, 256kb of RAM and a 640 x 200 pixel display, the

T1100 is recognised by the IEEE\* as the world's first mass-

market laptop and a milestone in electrical engineering.

\* The IEEE (Institute of Electrical & Electronics Engineers) is the world's largest association of technical professionals.

For the full citation, visit www.anz.dynabook.com/

DYNABOOK.
THE 35 YEAR-OLD
START UP.

Dynabook began life as a division of Toshiba that, in 1985, created the world's first mass-market laptop (shown left).

The T1100 was a significant technical achievement and a commercial success. It is recognised by the IEEE\* as the world's first mass-market laptop.

Specialising in mobile computing, the division went on to develop over 30 other world-firsts, and achieved global market leadership in the 1990s.

Today, as Dynabook, we continue to produce worldbeating devices, with the latest (see opposite) featuring in our 31st anniversary education range.

## **OVER 30 WORLD-FIRSTS IN 36 YEARS.**

- > 1985: world's first industry standard laptop.
- > 1989: world's first notebook computer.
- > 1991: world's first laptop with an active matrix screen.
- > 1992: world's first laptop with a colour TFT display.
- > 1993: world's first pen-based Tablet PC.
- > 1998: world's thinnest & lightest B5 notebook.
- > 2004: world's first 4-in-1 AV laptop with a built-in TV tuner.
- > 2007: world's lightest fully featured notebook.
- 2007. World's lightest fully leatured hotebook.
- > 2011: world's thinnest and lightest 13" laptop.
- > 2015: world's first 12.5" Ultra HD 4K convertible.
- > 2017: world's thinnest and lightest 2-in-1 convertible.
- > 2020: world's lightest 13.3" notebook.
- > 2020: world's lightest 13.3" convertible.
- > And over 20 others.



# DYNABOOK TODAY: NEW OWNERSHIP, NEW NAME, SAME REMARKABLE CULTURE.

Majority ownership of Toshiba's laptop division passed to Sharp Corporation in 2019. To reflect this change, the division was re-named Dynabook, a name used by Toshiba in Japan for over 30 years.

Today, pride in Dynabook's history drives the designers, engineers and leaders to live up to the standards set by their predecessors.

Dynabook is once again leading the way, with new world firsts, a close continuing collaboration with Intel® and Microsoft®, and an expanding range of new products and technologies in the pipeline.



woodenyb ...

# The world's lightest 13.3" convertible.

An elegantly engineered 2-in-1, the Portégé X30W offers the flexibility, features and performance of heavier devices, yet weighs as little as 989 grams. Launched November 2020.

Learn more on page 14.

# ASK ABOUT DYNABOOK'S INDUSTRY-LEADING RELIABILITY RATES.

Windows 10

Dynabook recommends Windows 10 Pro for business

Talk to a Dynabook education specialist about our field failure rate data and compare this with your past and current devices.

Contact details are on the back page.

# • dynabook

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and New Zealand, we've developed a solid understanding of how schools of different sizes, types and systems operate.

WE'VE LEARNED A

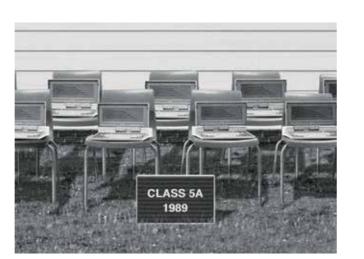
We're familiar with the challenges and requirements, we listen carefully for specific concerns and objectives, and we're flexible and proactive in responding and solving problems. What's on your mind?

Toshiba's J3100, the world's first notebook computer. Also, the first device to ever bear the Dynabook name. Launched in 1989.

## The first laptops to go to school in Australia.

In 1989, a fleet of Toshiba's T1100SE laptops was delivered to a respected girl's school in Melbourne. They became the first ever introduced by a school for use by students. We've maintained an uninterrupted commitment to the education sector across ANZ ever since.

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





RELIABILITY COMES FROM WITHIN.

At Dynabook, reliability is the outcome of a commitment to maintain the high standards set by past generations of designers and engineers: it's part of the corporate culture.

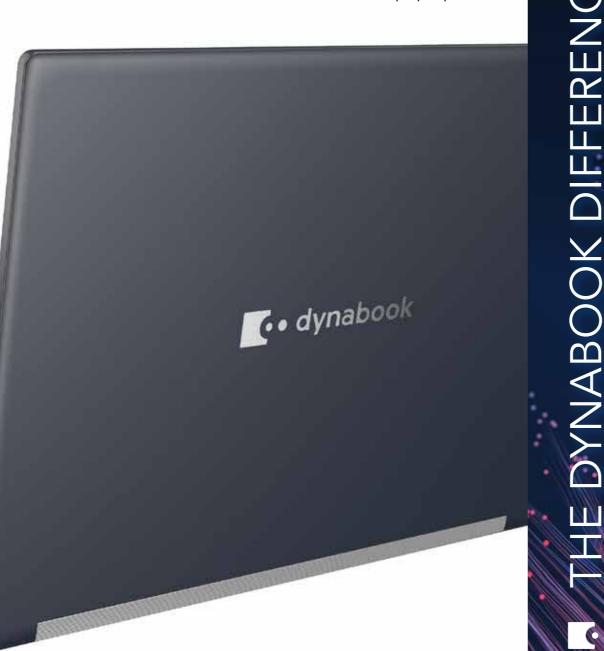
To achieve this, Dynabook made the decision to design, develop and manufacture entirely in-house, the only major vendor to do so.

As a result, Dynabook devices are built up to a standard, not down to a price, delivering 5 key benefits.

- 1. ELEGANT ENGINEERING
- 2. HIGH QUALITY
- 3. EXTRA LAYERS OF SECURITY
- 4. BUILT-IN DURABILITY
- 5. REAL WORLD RELIABILITY



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1: ELEGANT ENGINEERING

# Design is about more than looking good.

It is also about materials selection, temperature management, electromagnetic shielding, weight distribution, power supply, the never-ending drive to miniaturise and a constellation of other challenges.

By keeping our process entirely in-house, we have complete control over the design and engineering that goes into each device. The result is a seamless integration of best-in-class functionality and sculpted elegance.

# 2: HIGH QUALITY

# Quality matters at every step of the process.

Because we have complete control over the design and manufacturing process, we can:

- specify high quality components in our devices.
- blend skilled people with high precision machines to ensure devices are built to the highest standards.
- conduct extensive quality control checks.

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• use data from manufacturing millions of notebooks to anticipate unwanted effects and eliminate them.





Windows 10

# 3: EXTRA LAYERS OF SECURITY

# The way we build our notebooks makes them harder to attack.

Security is top of mind when it comes to students and their data. Because we have end-to-end control of our process, we are able to build extra layers of security into our devices.



# Security engineering at motherboard level.

Because we keep everything in house, we also write our own BIOS (the software that controls the start-up and running of all the components and systems in a notebook). This provides a level of protection from attack that is not possible with the 3rd party BIOS used by other vendors.

 Our devices also feature TPM, a dedicated chip that is built into the motherboard. It uses integrated cryptographic keys to protect passwords and data in the event of theft or loss.

## Additional security - infrared face authentication.

The biometric authentication system\* uses a combination of an infrared sensor and a visible light sensor to verify a user's identity. Compatible with Windows Hello, students can sign-in simply by looking at the screen. This reduces the risk of password leaks and losses.

# 4. BUILT-IN DURABILITY



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# Engineered to handle the rough and tumble of school life.

Students are recognised as some of the world's toughest laptop customers. They travel daily, move frequently between classrooms, and use their devices all day. The risk of accidents is high. To minimise disruption to learning, the devices in our education range are designed and engineered to handle everyday knocks and spills.

## Accidents will happen. So we plan for them.

Durability is all about protection from everyday accidents. So we design and build our laptops for strength, with features like:

- magnesium-alloy chassis.
- patented honeycomb reinforcing.
- shock-protected motherboards.
- spill-resistant keyboards.

# Why do we use a magnesium alloy for the chassis?

Magnesium is more expensive than other casing materials. We use it in our top of the line X-series because its unique properties make it a worthwhile investment. Magnesium is:

- stronger and lighter than aluminum.
- a highly rigid material with higher dent resistance than aluminium.
- effective at dissipating heat an important factor in laptop design.





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<sup>\*</sup> Available on selected models.

# ERENCE •• dynabook the laptop experts

# 5: REAL WORLD RELIABILITY

## To make our notebooks more reliable, we set out to break them.

Reliability is the single most important feature a notebook can have. We use three different methodologies to test and refine our designs. Testing pushes designs to the limit so we can identify weaknesses and eliminate them. Test data feeds back into the design process, so Dynabook's education range devices are all highly evolved for reliability.

Everyday usage tests: how

durability / port durability

steel ball drop.

Accident tests: spill resistance /

## much can a laptop take? These tests simulate what might happen in heavy, everyday use over a period of years. These include: Pressure tests: pressure points / structural integrity / palm rest Use tests: hinge longevity / key

The hinge is the largest movable part of a notebook. We test its ability to survive years of daily use by opening and shutting test devices up to 50,000 times to verify durability.

HINGE OPEN/CLOSE

TESTING RIG:

## designing devices for their use. Naturally, the tests are tough, and cover a variety of extreme conditions.

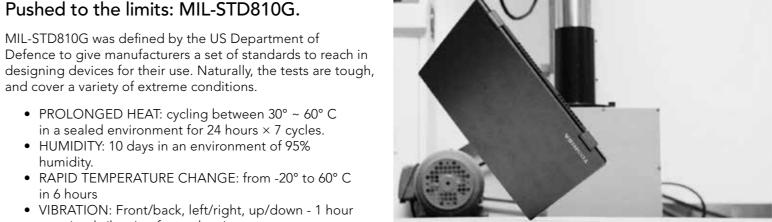
• PROLONGED HEAT: cycling between 30° ~ 60° C in a sealed environment for 24 hours  $\times$  7 cycles.

Pushed to the limits: MIL-STD810G.

MIL-STD810G was defined by the US Department of

- HUMIDITY: 10 days in an environment of 95%
- 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 × 3 times.

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



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.

## 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 vibration.
- exposing the design to random shocks.

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



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.

## 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.

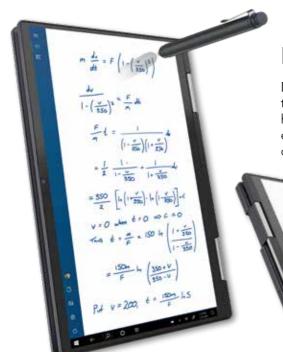
Talk to a Dynabook education specialist about our field failure data and compare this with your past and current devices. Contact details are on the back page.

<sup>\*</sup> No guarantee of damage or failure.

# TRANSFORM LEARNING ACROSS THE CURRICULUM WITH ONE PEN.

Keyboards are efficient for typing words into documents and numbers into spreadsheets, but when it comes to taking notes and creating original works, pen-input provides significant advantages.



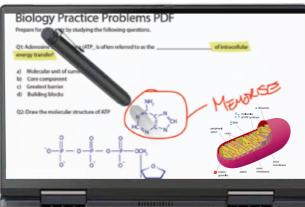


# Make it easier to work in STEAM subjects.

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

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.





# DYNABOOK'S 31st ANNIVERSARY EDUCATION RANGE



<sup>\*</sup> Features may vary depending on configuration. Design and specifications are subject to change without prior notice. All images are for illustration purposes only.





# The world's lightest

13.3" 2-in-1 convertible notebook/tablet. BIOMETRIC SIGN-IN (OPTIONAL) WITH FACE OR FINGERPRINT REPLACES

The new, enterprise-grade Portégé X30W is a PASSWORDS AND PROVIDES EXTRA SECURITY AND EFFICIENCY. high performance notebook powered by 11th Gen Intel<sup>®</sup> Core<sup>™</sup> processors and cooled by a new, quiet dual-fan system. Folded over, the X30W becomes a tablet with best-in-class performance, 16 hour battery life rating and Wacom® digitizer pen-input, an ideal tool for senior STEM students. ENERGY EFFICIENT 13.3" FULL HD MULTI-TOUCH SCREEN. • dynabook BACKLIT KEYBOARD WITH

LARGE TILES FOR EFFICIENT TYPING.









11TH GEN INTEL® CORE™

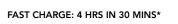
UP TO 1 TB SSD STORAGE

UP TO 32 GB DDR4 MEMORY

FROM 989 GRAMS<sup>1</sup>



UP TO 16 HOURS





THUNDERBOLT™ 4



ADVANCED FHD TOUCHSCREEN + WACOM® DIGITIZER = HIGH PRECISION FOR DIAGRAMS, SKETCHES, NOTES, HANDWRITING RECOGNITION.

> HARMAN/KARDON® SPEAKERS + DOLBY ATMOS® = AUDIO EXCELLENCE.

> > ADVANCED DUAL FAN SYSTEM ENABLES UNCOMPROMISED PROCESSOR PERFORMANCE, YET MINIMISES NOISE.







¹ Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. \* 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 utilised, as well as the natural performance variations produced by the design of individual components.

T. dynabook

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# Hyper-light, fully featured 13.3" notebook.

The enterprise-grade Portégé X30L is a 13.3" touchscreen notebook that weighs as little as 906 grams yet offers high-end performance and all-day battery life\* along with a full set of ports, including micro-SD and full-size LAN.









PASSWORD PROTECTION +

BIOMETRIC LOGIN (OPTIONAL) + MORE.

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<sup>1</sup> Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. \* 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 utilised, as well as the natural performance variations produced by the design of individual components.



XD-BIT + BIOS-LEVEL PASSWORD PROTECTION -BIOMETRIC LOGIN (OPTIONAL) + MORE.

HDMI + USB 3.1 TYPE-C (WITH CHARGE SUPPORT) +

2 x USB 3.0 TYPE-A + MICRO SD™ CARD SLOT +

BLUETOOTH® + WI-FI™

Premium ultra-thin and light 14.0" touchscreen notebook.

> The Portégé X40 is an enterprisegrade notebook that features a touchscreen, all-day battery life\* and high-end performance in an ultra slim and light body.

> > ENERGY EFFICIENT 14.0" FULL HD MULTI-TOUCH SCREEN.

BACKLIT KEYBOARD WITH LARGE TILES FOR EFFICIENT TYPING. Dynabook recommends Windows 10 Pro for business



SLIM MAGNESIUM ALLOY CHASSIS IS LIGHT, RIGID AND STRONG.



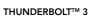






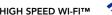




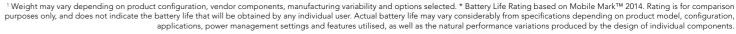














# Business class 15.6" laptop that meets the needs of staff and students at every level.

From the classroom to the living room, the all-new Tecra® A50-J is a fully featured, business class workhorse that meets the needs of students and staff at every level, from Y7 through to the most demanding users in Y12 and in the staffroom.



SECURED-CORE PC (LEVEL 3) WITH TPM 2.0 + BIOS-LEVEL PASSWORD PROTECTION + BIOMETRIC LOGIN (OPTIONAL) + MORE.

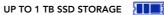


TX ETHERNET PORT + BLUETOOTH® + WI-FI™.

SPILL-RESISTANT, BACKLIT KEYBOARD WITH NUMERIC KEYPAD

















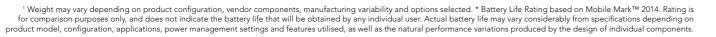














# Professional grade 14.0" laptop that offers outstanding design and incredible value.





¹ Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. \* 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 utilised, as well as the natural performance variations produced by the design of individual components.

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Budget-friendly 11.6" notebook for younger students.

HD WEBCAM + BEAM FORMING

RUBBER BUMPERS WRAP AROUND SCREEN AND CHASSIS TO PROVIDE

EXTRA IMPACT PROTECTION.

DUAL MICROPHONES FOR

QUALITY VIDEO/AUDIO

Designed for remote and hybrid learning, the Dynabook E10-S is a compact 11.6" notebook powered by an Intel® Celeron® processor and equipped with rubber bumpers, mechanically anchored keys and spill-resistant keyboard to endure daily student usage.



SPILL-RESISTANT KEYBOARD + MECHANICALLY ANCHORED KEYS

CARD SLOT + BLUETOOTH® + WI-FI™.



11.6" HIGH DEFINITION

ANTI-GLARE DISPLAY

UP TO 128 GB SSD STORAGE





FROM 1.15 KG







The new name from the laptop experts

Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. \* 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 utilised, as well as the natural performance variations produced by the design of individual components.

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

Mobile computers are complex devices, and sometimes things go wrong. To help minimise disruption, Dynabook has invested heavily in service infrastructure. To support fast turnaround, we have:

- a nationwide network of Authorised Service Centres and Service Partners who are
- 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.





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. Or upgrade to next business day on-site service for the ultimate in fast turnaround.

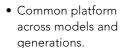
## WHAT IF A STUDENT DAMAGES A DEVICE **ACCIDENTALLY?**

You can help keep everyone up and running with Dynabook's assured services program for fast repairs of accidental damage. What level of support do you need for your school? Talk to your Dynabook education specialist about a tailored package (see back for contact details).

# FOR THE IT MANAGER

Dynabook's education range is designed to minimise problems and maximise ease of management for the IT team. Contact a Dynabook education specialist to discuss ways to streamline your operations.





• Stable life cycle.



- Ease of deployment
- Common BIOS. firmware and imagery.
- Asset tagging.



• Advanced remote management on selected models.

맊

• Advanced security features built in.

# Dynabook's online image builder streamlines deployment.

This Dynabook-developed tool helps schools streamline the development and deployment of the standard operating environment (SOE) that they want installed on each device. This simplifies the development of multiple SOE's e.g. one for students, another for staff and another for leadership.

## BUILD TO ORDER - WITH NO MINIMUMS, AND DELIVERY IN 3 WEEKS\*.

There are times when you may want to configure a device to your preferred specifications. There may also be times when it is helpful to order 20 or 50 devices instead of 200 or 500. You can do both with our build-to-order service:

- no fixed minimum quantities (unlike competitors).
- you can customise any of the devices in Dynabook's education range, specifying the level of processor (from Celeron up), storage, memory, screen type, security features and more\*\*.
- add customised elements for your school e.g. logo etched on cover / loads on bootup
- orders are built and customised in-house by Dynabook, with a typical turnaround of only 3 weeks.





# RELY ON DYNABOOK AT ANY POINT IN THE LIFECYCLE.

. dynabook

# • dynabook

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## 1: Planning and assessment

Our education team can help with:

- pre-sale product insights and technical support.
- technical trials, product testing and certification procedures.
- bundled packages of accessories and support upgrades.
- hardware, software, network and security matters.
- supply planning.
- device transition and management.

# 4: Resale and

devices responsibly. We can can

- and recycling of redundant IT devices (any brand).
- equipment for recycling.

# 2: Configuration and deployment

Your school's devices can be delivered ready to use right out of the box, pre-loaded with your school's custom software image and all your apps and settings. This streamlines rollouts, increases security and frees IT staff for other duties. We can help with:

- pre-delivery configuration, including custom BIOS settings.
- pre-loading SOEs & custom imaging.
- asset tagging and reporting.
- custom boot logo and on-device logo etching (lead times may vary depending on requirements).
- large scale, wide-area and direct-toend-user deployments

## 3: Maintenance and repair

To provide shorter turnaround times and faster problem solving, Dynabook is committed to in-country support:

- Dynabook's ANZ engineers are available to consult, develop and manage customised
- our local technical specialists can get highlevel support direct from the design and development teams when schools have complex problems.
- warranty service and accident repairs are carried out in-country, not sent to offshore





- packaging and pick-up of
- inspection and data deletion.
- device buyback and resale.



Windows 10

<sup>\*</sup> Timings may vary depending on notebook specification and component lead time and availability. \*\* Special configuration guidelines may apply. Talk to your Dynabook education specialist for details.

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# RELIABILITY REDUCES THE TOTAL COST OF OWNERSHIP

When evaluating vendors, it is worth remembering that the purchase price typically represents a relatively small percentage of the total lifetime cost of the device.

With Dynabook, business-class quality and reliability may cost extra up-front, but the return on investment can be significant:

- smaller loan pools.
- reduced IT support costs.
- streamlined management.
- extended lifecycles.
- satisfied parents.

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- less stressed and more productive staff
- better learning outcomes for students.



# DO YOU WANT A **BEST-IN-CLASS SOLUTION?**

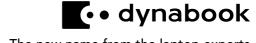
# ← P O # ....

Each school has different plans, processes and priorities. So we work collaboratively with you to identify what success looks like, and then work out the best way to get there.

If you'd like a device you can rely on, supported by people you can rely on, get in touch.

Please contact your nearest Dynabook education specialist to start a discussion (contact details are on the back page).







# CONTACT YOUR DYNABOOK EDUCATION SPECIALIST.

AUSTRALIA 1300 307 055 anz.dynabook.com

### NSW/ACT

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