



# Dell Education Series

UNCOMMONLY TOUGH. UNMISTAKABLY DELL.

At Dell, the customer experience is the focal point of every endeavor. We believe in design that promotes strength, reliability, and durability. Dell has partnered with educators to design purpose-built notebooks, specifically engineered to endure the unique demands of the K-12 environment. Dell's insights have inspired Dell Education Series notebooks. Built to withstand the rigors of the school day and beyond, they are student-ready and schoolyard-tough.

---



## DROP DEFENSE

Dell knows that student devices will fall or get dropped over and over and over again - under and on top of desks at school, by the door or on the counter at home. With this in mind, Dell Education notebooks are designed with rounded corners and rubberized edges. These features significantly improve drop protection, better distributing the load during impacts and helping to ensure that damage is minimized.

---



## SCREEN PROTECTION

Dell Education products are built with no cable wirings behind the LCD screen, thus increasing durability against impacts. Plus, Corning® Gorilla® Glass NBT™ on 2-in-1 displays ensures an 8-10x higher scratch resistance compared to traditional soda-lime glass.

---



## DAMAGE RESISTANT KEYBOARDS

Kids love to play, and playing with their notebook keyboard can be tempting. So Dell designed its Education devices with captive keys for strong pick-resistance. In addition, Dell Education keyboards are spill-resistant and withstand up to 12 ounces of liquid spill.

# Dell Education Series

Dell Education Series laptops survive extreme durability tests, which are designed based on real-world evaluation. Dell engineers observe notebooks that have been in K-12 environments for months and even years and gain an understanding of the cumulative impacts over time. This valuable feedback informs the rigorous testing that is performed on every device in Dell's Education portfolio - testing that goes beyond conventional standards and results in best-in-class durability.



## MICRO-DROPS

Dell engineers use micro-drop tests, in which the system is dropped thousands of times at a variety of angles from a height of 4 inches. This testing simulates everyday student use – both in the classroom and traveling home with students – for a 3 to 5-year period. Dell Education products more than pass the test, surviving thousands of micro-drops without losing functionality.



## DROPS ON HARSH SURFACES

In addition to minor, repeated drops, devices in a K-12 setting can often experience more significant drops or tumbles, such as falling off of a desk or out of the hands of a student on the move. Dell Education products have long-survived 48-inch drops onto plywood. They now survive 30-inch drops onto steel, the world's harshest surface.



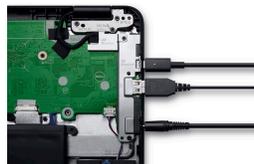
## HINGE-CYCLE TESTS

Research indicates that students open and close their laptops significantly more than the average user. In light of this, Dell conducts hinge-cycle testing in which the notebook is open and closed repeatedly. This simulates the accelerated life of the product. Dell Education notebooks survive tens of thousands of hinge-cycles, validating its hinge strength across the portfolio.



## WEIGHT TESTS

Dell Education notebooks survive the "backpack test" in which the products are shocked with 20-pound weights amidst small drops. This test simulates the weight of textbooks or other objects that could potentially cause damage to the system when a student drops a backpack or bag.



## WRENCHING TESTS

Damage can occur to power and ports as the result of cables being yanked or pulled, or from someone accidentally walking away with the device still plugged into power. Dell performs wrenching tests on all Education notebooks, and the result is that every product survives up to 37 lbs. of force.

## Student-ready. Schoolyard-tough.

For more information, please visit [DellEMC.com/k12](https://DellEMC.com/k12)