

The Future of Learning



Technology's evolving role in education

Today, technology is transforming both how students learn and teachers teach, and is helping to bridge the gap between in-classroom and at-home learning.

Technology impacts everyone involved in education, but what do the numbers say?



Students



Parents

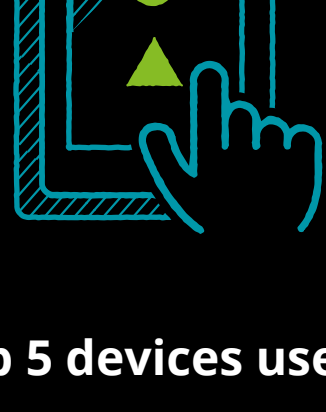


Teachers

Opening the door to today's classroom

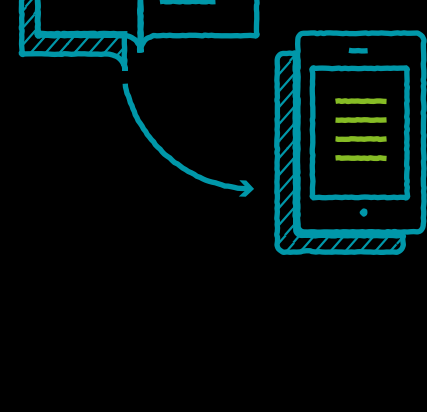
Daily technology use in the classroom is the norm for nearly half of teachers.

For classrooms of the future, digital learning is poised to increase and make a greater impact.



42% of teachers

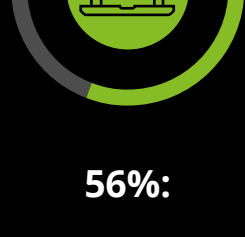
say that at least one digital device is used every day.



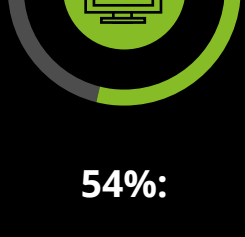
75% of teachers

believe digital learning content will replace printed textbooks within the next 10 years.

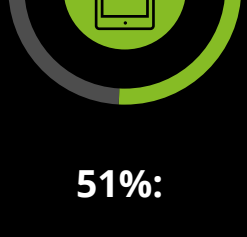
Top 5 devices used weekly in the classroom



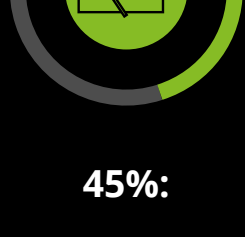
56%: Laptop



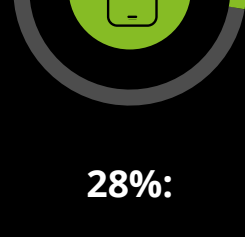
54%: Desktop



51%: Tablet



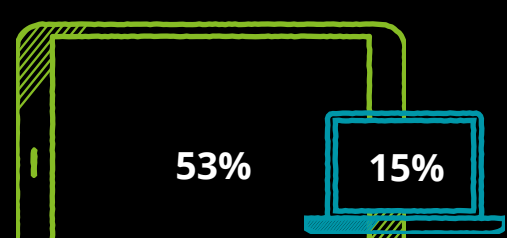
45%: Interactive whiteboard



28%: Smartphone

Students' device preferences in classrooms vary by age

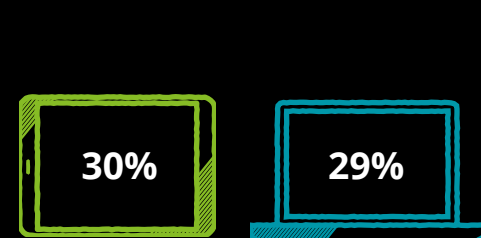
■ Tablet ■ Laptop



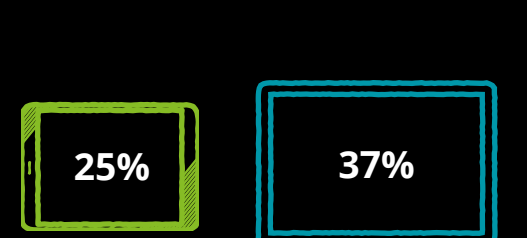
Grade K-2



Grade 3-5



Grade 6-8



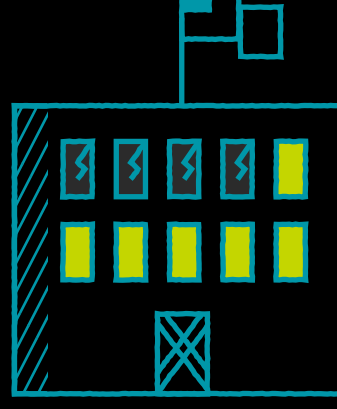
Grade 9-12

Newer teachers are bigger believers in the positive impact of technology on education



81% of teachers

with 10 or fewer years experience believe education tech at school makes a **positive difference** on learning.



Are institutions catching the wave of the future?

4 in 10 teachers

say their school is behind the curve when it comes to technology use and adoption.

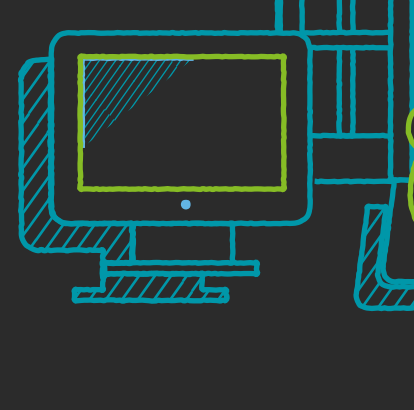
Continuous learning outside the classroom

Children are learning via digital technologies before they even step into a classroom. Could education technology help bridge the gap between in-school and after-school learning?



90% of kids use digital learning materials at home. **2/3** start by the age of 5.

Looking to learn outside the classroom



88% of parents and 84% of teachers

are interested in having more at-home digital content available to supplement what's being taught in school.



75% of students

are interested in spending time learning more about school-related subjects when they are not in school.

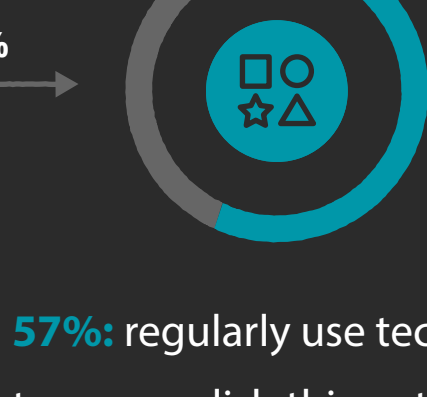
How are teachers using technology?

■ Belief ■ Actual use

1) To make learning more interesting



79%: believe technology makes a big difference.

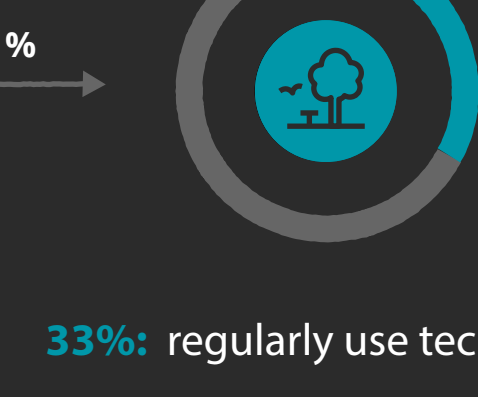


57%: regularly use technology to accomplish this outcome.

2) To provide learning opportunities outside the classroom

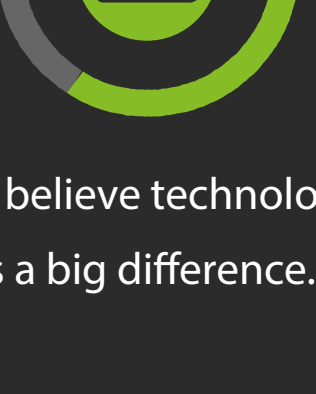


74%: believe technology makes a big difference.

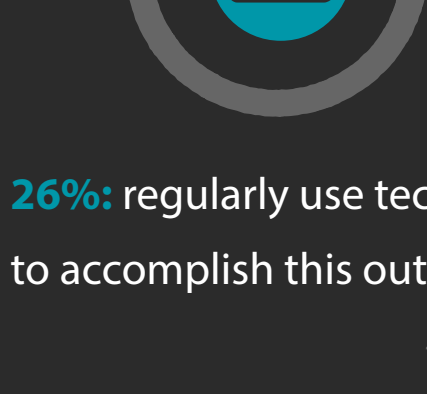


33%: regularly use technology to accomplish this outcome.

3) To encourage students to collaborate even when not together

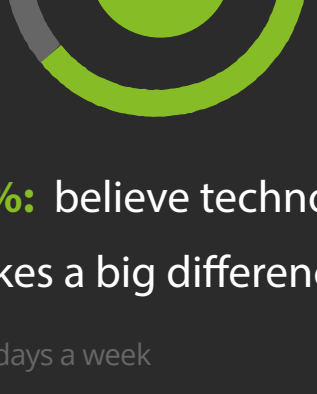


59%: believe technology makes a big difference.

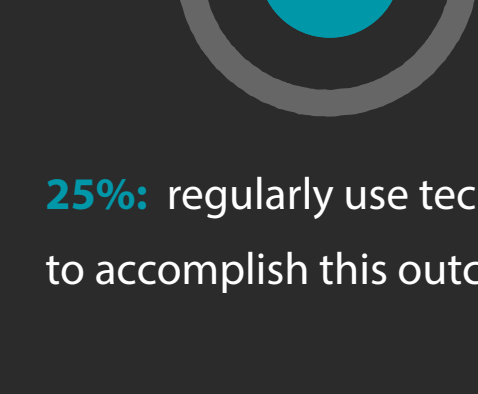


26%: regularly use technology to accomplish this outcome.

4) To provide feedback to students when school is not in session



64%: believe technology makes a big difference.



25%: regularly use technology to accomplish this outcome.

* regularly defined as 3-4 days a week

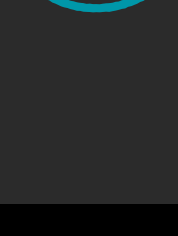
Breaking through the barriers

While usage is on the rise, teachers report large barriers to wider and more effective adoption of education technology.

87%: Financial pressures

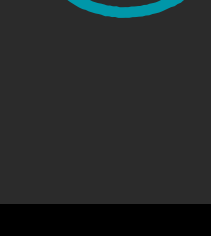


61%: Classroom integration issues



63% of teachers

report that the funding is lacking at the school/district level.



41% of teachers

say that there is a lack of education technology training.

Differing motivations and expectations

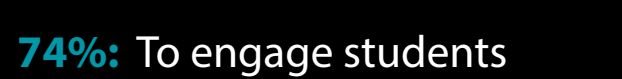
Teachers, parents, and students are three influential factors behind the acquisition and usage of education technology in and out of the classroom.



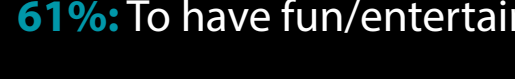
Teachers want to increase student engagement.

Top 3 reasons teachers choose digital learning materials for the classroom:

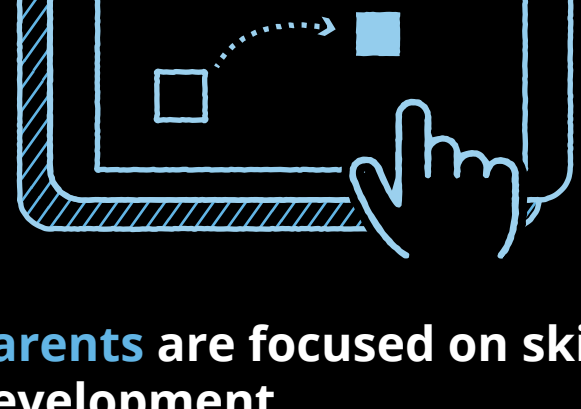
74%: To engage students



61%: To have fun/entertaining materials



60%: To develop student skills



Parents are focused on skills development.

Parents' willingness to ease time limitations on education-based digital activities depends on the type of activity.

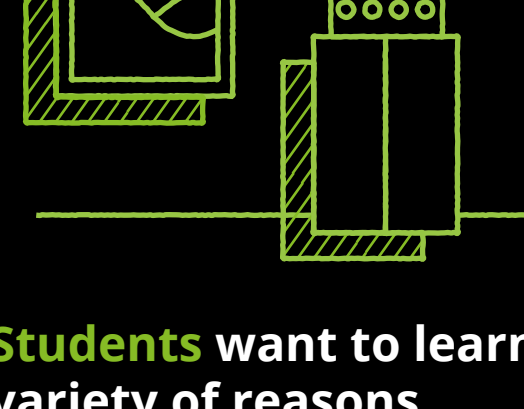
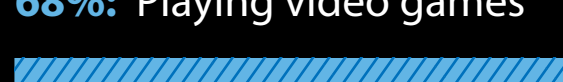
81%: Watching videos



80%: Using apps



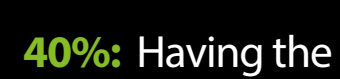
68%: Playing video games



Students want to learn for a variety of reasons.

Top 3 motivations for learning outside the classroom:

40%: Having the chance to learn new things



39%: Doing assignments that are fun



34%: Meeting parents' expectations



A teacher's influence: teachers still "drive the bus"

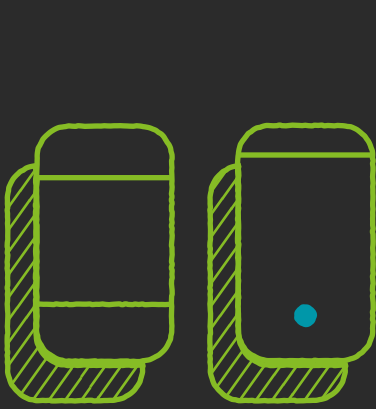
When it comes to acquiring and engaging with digital learning materials, the teacher's recommendations are highly valued among students, parents, and other teachers.



Summer learning

50% of students

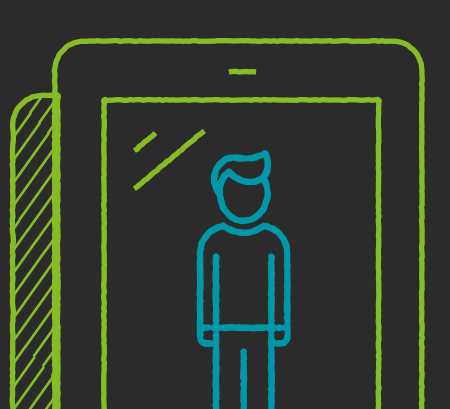
who played educational games during the summer did so because it was recommended by their teachers.



Brand importance

94% of parents

care about brand when selecting digital learning materials for use at home, with teacher recommendations, good value, quality content, and trusted brand as the highest brand attributes.



Trusting teachers

Who do parents trust for advice on the best type of digital education materials for their child's learning at home?

Top 3

72%: Teachers



33%: Other parents



32%: School/district administrators



Who do teachers trust for advice on the best type of digital education materials for their students learning in school?

Top 3

82%: Other Teachers



41%: School/district administrators



24%: My students



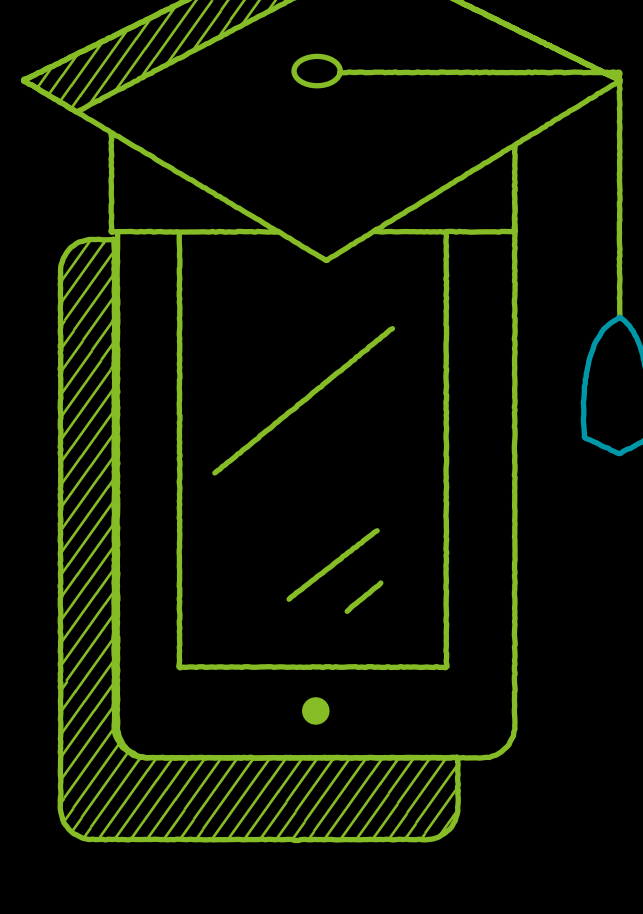
The technology transformation of education is underway and picking up speed

Teachers are uniquely trusted by parents, students, and other teachers – they see the potential for learning technology inside and outside the classroom. This critical group will need to embrace and deploy these tools as aggressively as their beliefs would indicate.

Understanding the Why and addressing the How are critical to moving education technology from a great concept that will someday deliver, to an essential learning asset that provides value today and connects the classroom to the rest of a student's life.

Deloitte serves clients across the entire education ecosystem. To learn more, visit www.deloitte.com/us/digedrends or contact us at digedrends@deloitte.com.

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Source: "2016 Digital Education Survey," Deloitte

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