

[QUIZZICAL STRING MUSIC PLAYS]

Titles: Fairview School District. Pennsylvania, United States.

A photo ID badge for Fairview School District Assistant to the Superintendent Dr Justin Zona appears.

Dr Justin Zona: My name is Dr Justin Zona.

A badge for Fairview High School Principal Dr Luke Beall appears beside it.

Dr Luke Beall: I'm Dr Luke Beall. So the value in assessment is feedback. Feedback for the students, feedback for the teachers.

A maths quiz, a pencil and an eraser lie on a wooden school desk. Grading marks and feedback appear on the quiz in purple marker.

[SCHOOL BELL RINGS]

Dr Beall: You're in your backyard playing catch with your son. All right? The end goal is you want him to be able to catch and throw the ball back to you. In that teaching experience, you're constantly assessing and changing your instruction based off of your assessment. That's idealistic education. What we ask our teachers to do is that same thing, but with many more children.

Against a neutral background, a leather baseball glove appears with a baseball in its palm. A smaller, colourful baseball glove appears beside it. The baseball changes places repeatedly between the larger glove and the smaller glove. Now, a baseball trophy slowly rotates. The gloves reappear, and the smaller glove multiplies into nine identical gloves.

Dr Zona: Every kid in our district has an iPad — reception to year 13 — and every student in years 4–14 takes some type of assessment on the iPad.

Now, six backpacks form a row from smallest to largest. An iPad peeks out of each backpack. The devices pop back in.

[PAPER RUSTLING]

Dr Beall: Our testing coordinators that have lived in both worlds would never go back.

A montage of multiple-choice answer sheets with bubbles filled in plays. A practice test and answer sheet appear with a pencil, eraser and protractor. Pencil marks smudge the answer sheet, and a chunk of the sheet is torn out. A calculator nearby reads "ERROR".

Dr Zona: Counting books, distributing books, delivering books, you're handing out paper formula sheets, you're handing out calculators.

The practice test items disappear behind an iPad displaying a practice maths test in the Bluebook app.

Dr Beall: All of that's gone with a digital exam.

[LIVELY CLASSICAL MUSIC PLAYS]

The iPad has a full spectrum of security measures from just monitoring a student's progress in real time to locking them into very specific applications that you want them to use.

The iPad displays a timed reading and writing test. A message appears that reads "Bluebook Exams wants to start Assessment Mode". A message on iPad reads "We're About to Lock Your Device. If you attempt to use other programmes or apps during the exam, your scores will be cancelled."

Dr Zona: It takes a lot of the user error out of the equation.

Coffee spills onto the paper practice test and answer sheet. Now, the iPad displays the home screen of the Bluebook app. A pop-up reads "Confirm App Self-Lock".

Dr Beall: Thanks to Assessment Mode with the iPads, with the Macs, it's even accepted now that they're taking SATs.

Dr Zona: Yeah.

[SCHOOL BELL RINGS]

Words on the iPad read "Congratulations! The test is complete, and your answers have been submitted." Animated confetti rains over the text. Now, a sign reads "TESTING STUDENTS". It changes to "TESTING ALL STUDENTS". The Apple Accessibility logo appears below the sign.

Titles: Accessibility Features. VoiceOver, Voice Control, Switch Control, Larger Text, Dark Mode, Differentiate Without Colour, Increase Contrast, Reduce Motion, Closed Captions, Audio Descriptions.

Dr Zona: It's really those built-in accessibility features that sets Apple devices apart. Whether specific students need certain accommodations to have equitable access, they can type it or they can speak to text.

In Keynote, the Dictate Text icon blinks in a text box. The words "Speak to text" appear onscreen. On classroom desks, iPad devices each display a different accessibility feature icon.

Dr Beall: You know, it eliminates some of those barriers that prevented students from engaging in what is needed to be assessed.

Now, a usage analytics graph scrolls on iPad.

When it's formative assessment, a teacher can get real-time data that they can then use and inform their instruction as the lesson's going on. That's something that the iPads allowed us to unlock. The teacher can inform the next minute.

The second hand of a wall clock ticks to 12. Now, a grid of Freeform maths worksheets labelled "All Students" appears. Each worksheet icon features a different student's name.

Dr Beall: "OK, we're struggling finding a common denominator in these fractions, so we're going to pause and we're going to do an example on the board."

On a wall-mounted monitor, fractions appear next to handwritten sequences of numbers on a Freeform board labelled "LCD Practice". On iPad, a practice maths problem and a history question appear. In the Classroom app on iPad, the view switches from students to documents.

Dr Zona: Whether it's a bell ringer, an exit ticket, an observation, it becomes more valuable when there's immediate feedback.

Dr Beall: Yes. Engagement definitely went up when we started using Apple products in the classroom.

Student analytics scroll on a Mac. iPad devices forming a grid display educational materials for various school subjects.

Dr Zona: So instead of just, "Here's a worksheet to do practice problems", "We're going to split up into groups, and you're going to record videos explaining one of these problems. And then the videos from all of the students is going to be review for the exam that's coming up later."

Now, a worksheet crumples into a ball. Desks in a grid formation rearrange themselves into three circles. A record button is selected. In iMovie on iPad, an audio track appears below a video of a geometry presentation.

Dr Beall: Right.

The badge photos of Dr Zona and Dr Beall turn to face each other.

Dr Zona and Dr Beall: [IN UNISON] Yeah, much more engaging for them.

Dr Beall: Yeah. I think it comes back to what's best for kids. If you honestly evaluate what's best for assessment, you're going to arrive in a scenario in which digital tools are necessary, and the iPad is going to be the best resource for you to accomplish that.

Now, an iPad lies on each of the desks arranged in circles. Books and exam answer sheets stack on a desk. An iPad tops the stack. On the iPad screen, the handwritten words "Much improved!" appear on an addition worksheet. Pencil shading fills in the Apple logo.