# Backwards Planning Your Classroom Technology Goals

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# Cari Warnock

## Dell Education Strategist
## 25 years in Public Education

FLORIDA TODAY

EDUCATION

MONDAY Military | TODAY Education | WEDNESDAY Space & Science | THURSDAY Growth & Development | FRIDAY Beach report | SATURDAY Environment

McNair Middle wins national honor

Group awards magnet school for its efforts

BY KATE BRENNAN
FLORIDA TODAY

McNair Middle Magnet School in Rockledge recently earned a national award for its innovative teaching strategies, student achievement and desegregation efforts.

Magnet Schools of America, a national organization, recently named McNair a "School of Distinction" and will honor the school at its annual conference in Las Vegas in May.

McNair is one of five magnet schools in Brevard County and the first to receive a national award for its magnet program. The 475-student school specializes in performing arts, math, science and technology and accelerated academic programs. It has received an A from the state for the past three years for students' performance on the Florida Comprehensive Assessment Test.

"It's a bragging right and certainly a really good one," said Patty Martin, director of magnet schools for Brevard Public Schools. "It means they've done very, very well in all the criteria that magnets set forth."

McNair, together with Cambridge, Endeavor and Golfview elementary schools, is in its last year of a three-year, $6 million federal grant to expand magnet programs.

Magnet programs began in the 1960s as an alternative to the busing of students under court-ordered desegregation. By offering innovative programs not available at every school, magnets hope to achieve diversity and boost enrollment by attracting majority students to schools with high minority populations.

Before receiving the grant in 2004, McNair was experiencing a declining enrollment with about 300 students, about 70 percent who were minorities. Since then, the seventh- through 12th-grade school has increased its student enrollment by more than a third and nearly balanced its minority-majority ratio.

In fact, more students applied to attend McNair next year than there are openings, creating the school's first waiting list – a very encouraging sign, said the school's principal Rosette Lipscomb-Brown.

"We're thrilled here at McNair. I'm still pinching myself to make sure it's real."
Rosette Lipscomb-Brown, McNair principal

Lipscomb-Brown said the grant has helped the school convert a classroom into a dance studio, with mirrored walls, padded flooring and exercise bars. It has also helped pay for two new teachers, a new school marquee, decorative murals, classroom technology, campus gardens and student trips to local theatrical performances.

Lipscomb-Brown said the award is a tribute to the teamwork of the school's dedicated teachers and staff.

"We're thrilled here at McNair," she said. "I'm still pinching myself to make sure it's real."

Fast fact

Of the more than 1,800 magnet schools or magnet programs nationwide, Magnet Schools of America named about 5 percent or 90 either "Schools of Excellence" or "Schools of Distinction" last year, according to a letter McNair received from the organization.

Online

For more information about Brevard Public Schools or the county's five magnet schools, visit floridatoday.com

Education's ABCs

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# Classroom Design Challenges

Increasingly complex IT environments due to number of new devices connecting to the corporate network

Struggle to provide access, equity to and engagement for students

Pressure to adopt, integrate and engage with new technology in a more complex learning environment

Pressure to scale, bring in more technology and be budget conscious.

Pressure to integrate health and safety concepts where they might not have been thought of pre-Covid.

Teams and individuals need flexible, productive, and secure options that just work

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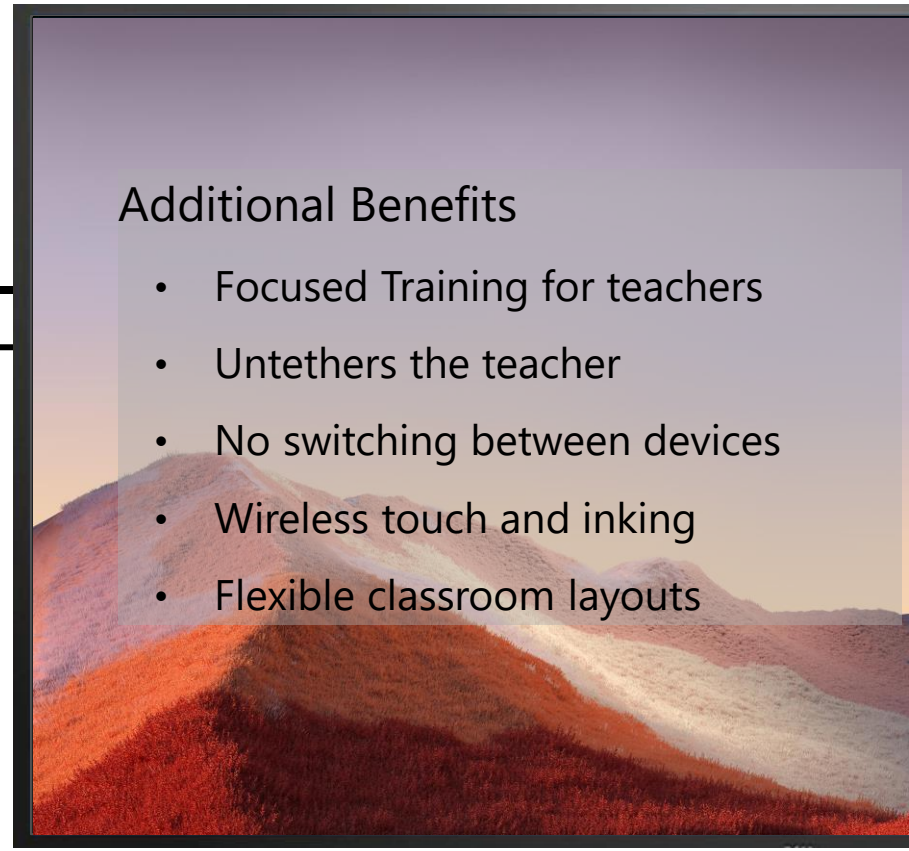
# Making the Simple, Super.

Fewer components to manage at an overall lower cost

Replaces all these components

- Document camera
- Media Switcher
- Interactive whiteboard
- Desktop computer
- Tablet device

Windows



Additional Benefits

- Focused Training for teachers
- Untethers the teacher
- No switching between devices
- Wireless touch and inking
- Flexible classroom layouts

## ScreenBeam & Dell…a solution that you can build on.

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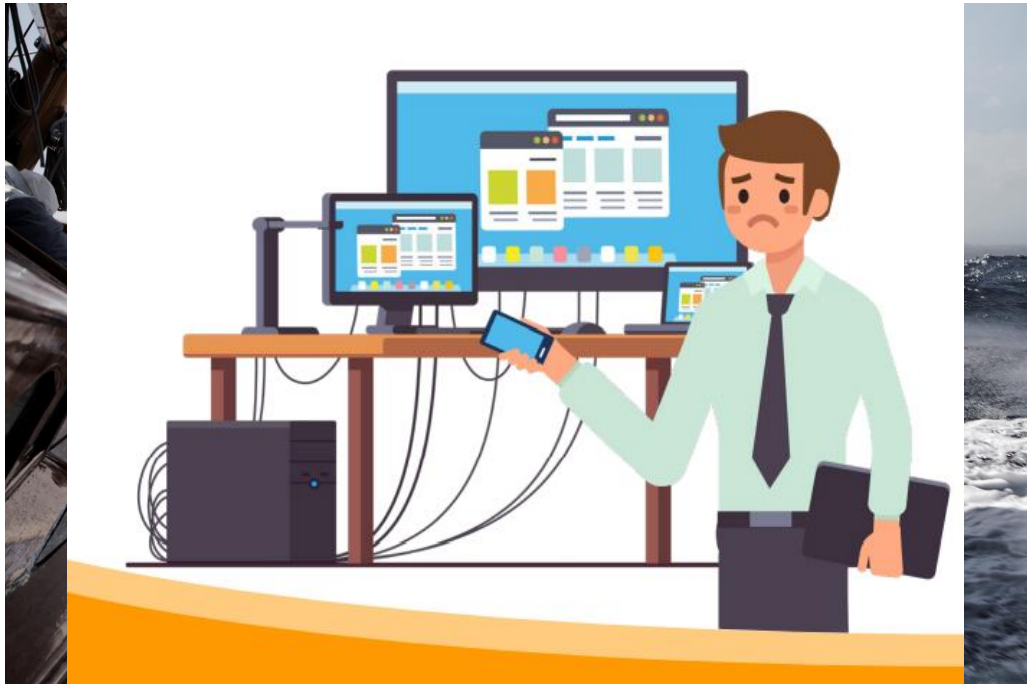
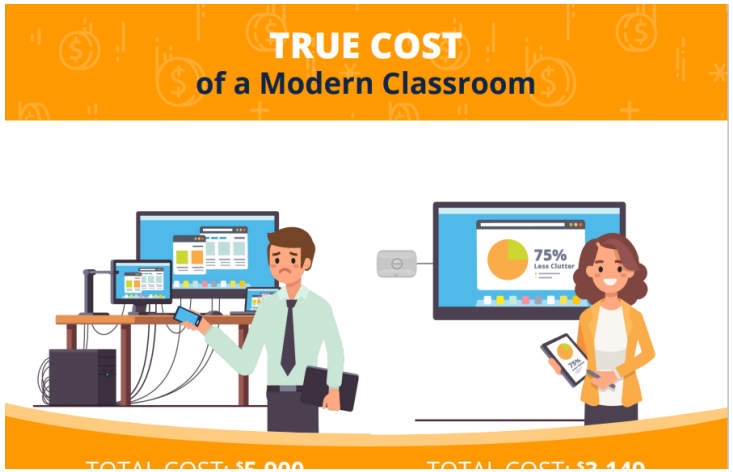
# Classroom Design Challenges



Complex and Challenging

Simple and Super


TRUE COST
of a Modern Classroom
75%
Less Clutter

REVERSE ENGINEERING THE
MODERN CLASSROOM
NO MATTER WHAT YOU'RE PLANNING
moving classrooms into the future
new construction
a device refresh
BEGIN WITH THE END IN MIND

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ABOUT HOW SCREENBEAM CAN HELP,
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# ScreenBeam 1000 EDU

## Enhanced wireless display and collaboration for classrooms

### Key Features

- ✔ Present from laptop, tablet or smartphone wirelessly
- ✔ Native screen mirroring solution; no app, no dongle
- ✔ Flexible in-room display sharing preference
- ✔ True extended desktop mode support
- ✔ Quick Switch Mode to switch between presenters without disconnecting
- ✔ Optional secured and isolated Wi-Fi hotspot
- ✔ Windows 10 native wireless touch and inking
- ✔ Integrated HTML-based digital signage player
- ✔ Orchestrate and wirelessly display up to 50 student device screens
- ✔ Flexible multi-network for staff and guest presenters
- ✔ Multi-View Mode allows up to four Windows 10 displays shared on-screen
- ✔ 4K and interactive touch panel ready

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# ScreenBeam 1100 Plus

## Create hybrid and contactless meeting spaces with integrated wireless display and Unified Communications (UC)

### Key Features

- ✔ Present from laptop, tablet or smartphone wirelessly
- ✔ Support for hybrid meetings with native UC Integration
- ✔ Native screen mirroring solution; no app, no dongle
- ✔ Multi-View allows up to four client devices to share content on-screen
- ✔ Quick Switch Mode to switch between presenters without disconnecting
- ✔ Centrally monitor and manage receivers with multi-user and role-based access
- ✔ Integrated HTML-based digital signage player
- ✔ Multi-network for staff / guest presenters
- ✔ Windows 10 native wireless touch and ScreenBeam Ghost™ Inking
- ✔ Flexible in-room display sharing preference including HDMI input
- ✔ Optional secured and isolated Wi-Fi hotspot

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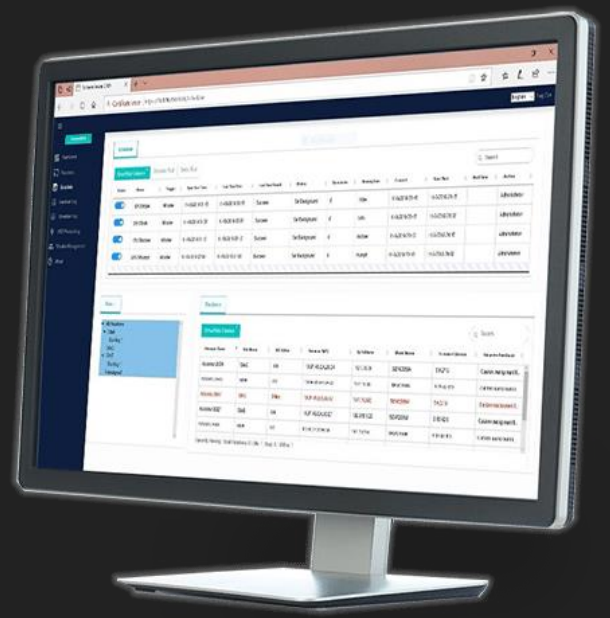
# ScreenBeam | Central Management System (CMS) Enterprise

Reduce the time and cost of managing ScreenBeam receivers.



Multi-User, Role-Based Receiver Management

Flexible and Scalable Architecture

Improved Security and Usability

Updated User Interface

# Not the ScreenBeam you may remember....

## Key Features

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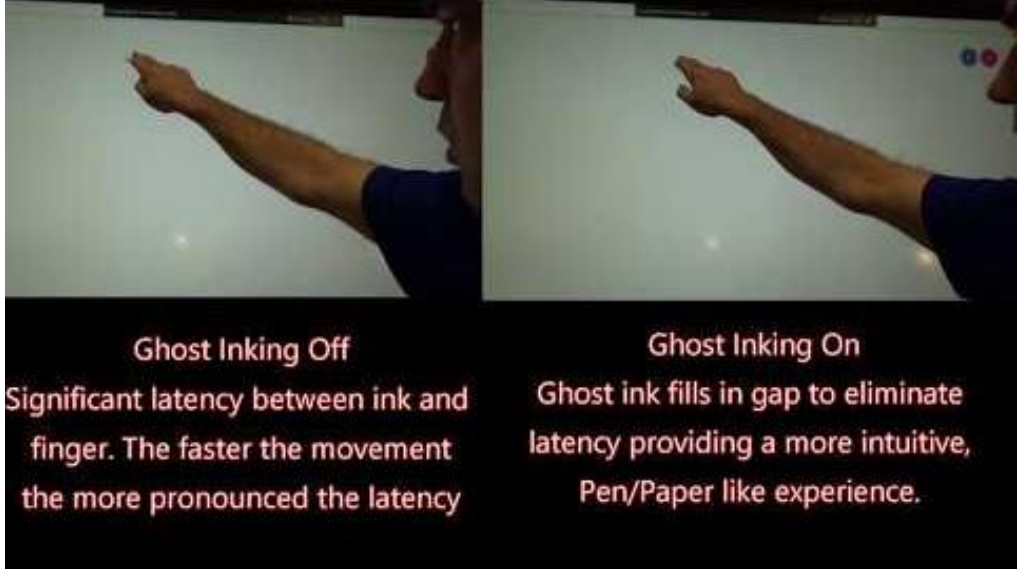
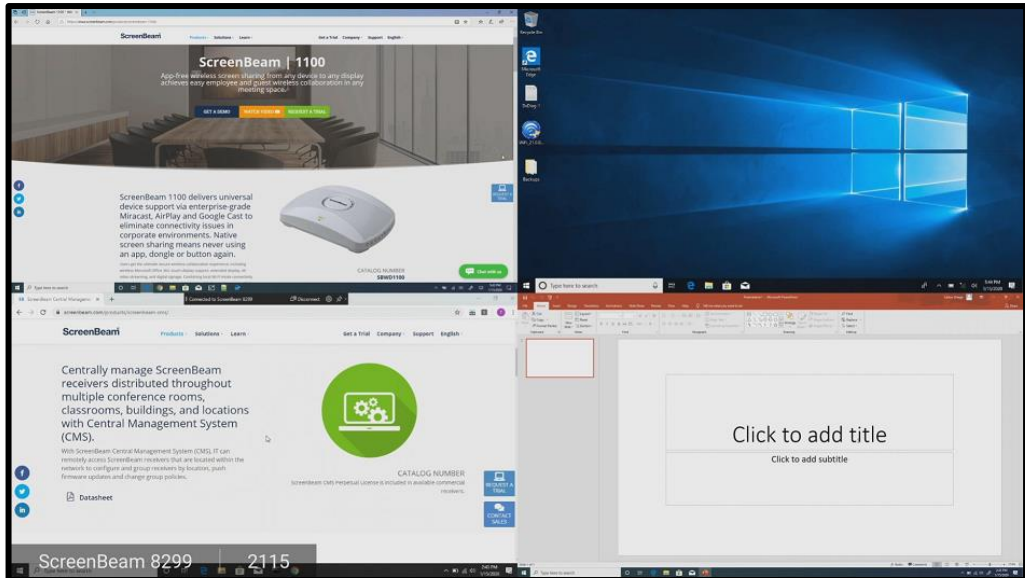
# New Features

- Ghost Inking
  - Eliminates hesitation to adopt wireless inking by removing distraction of ink latency
- Digital Signage
- Quick Sync
- Multiview Mode
  - Up to 4 Windows 10 and HDMI direct connections
- Central Management System – Enterprise (CMSE)
- QR code
- UC Integration





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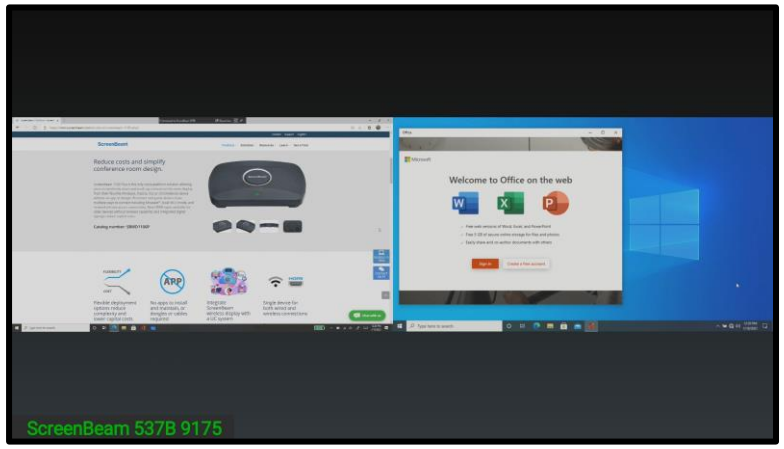
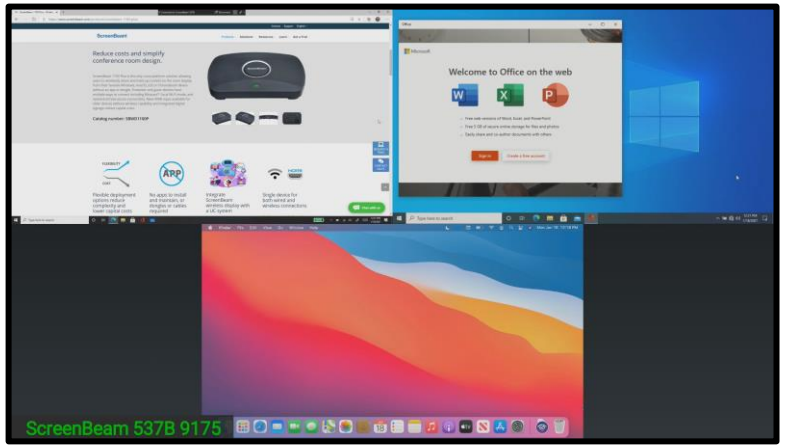
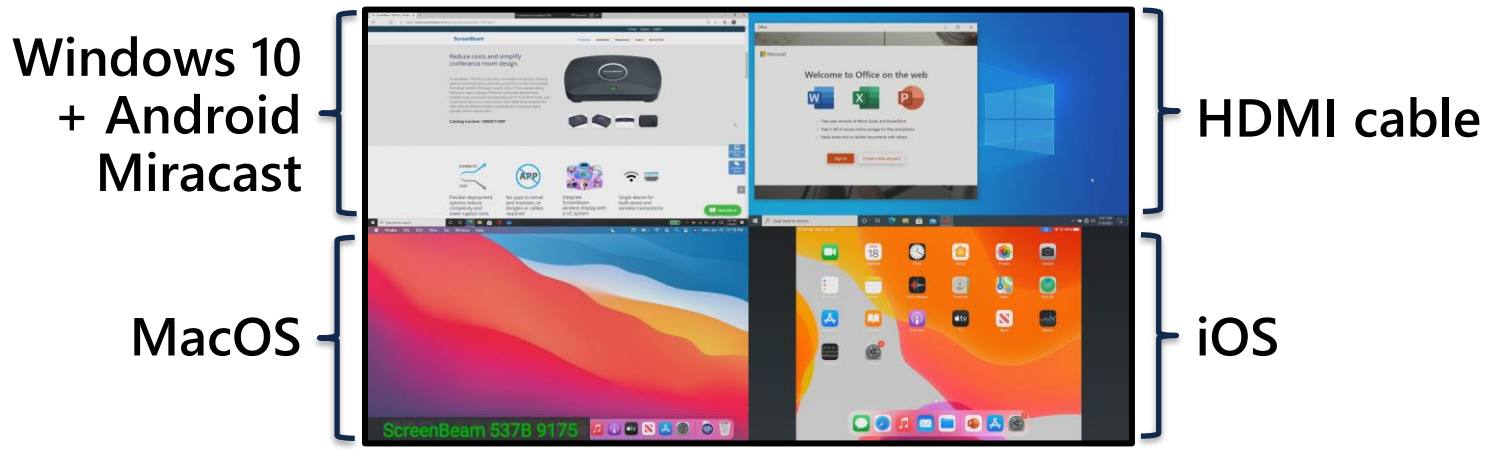
# Multiview Mode

- Up to 4 separate presenters
- Elegant animation upon connection/disconnection
- Automatic resizing
- Session PIN and receiver name presented on bottom for addition users




Notes
Touch/Ink disabled when 2 or more presenters sharing screen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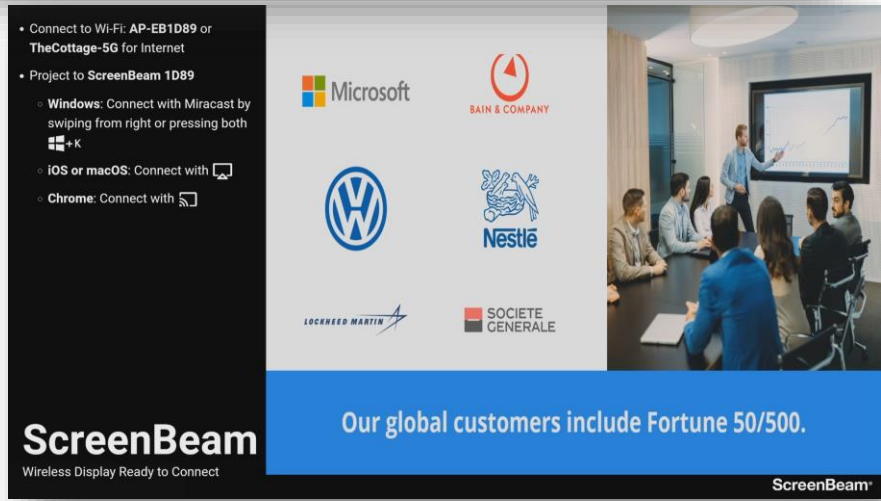
# Digital Signage

- Leveraging displays dispersed around the office, digital signage is an effective way to communicate critical information, policies and other important information to employees.
- Digital signage can drive awareness of social distancing guidelines and best practices in conference rooms as employees enter prior to meeting.
- Partnership just announced with Carousel. Opportunity for enhanced Digital Signage if desired.





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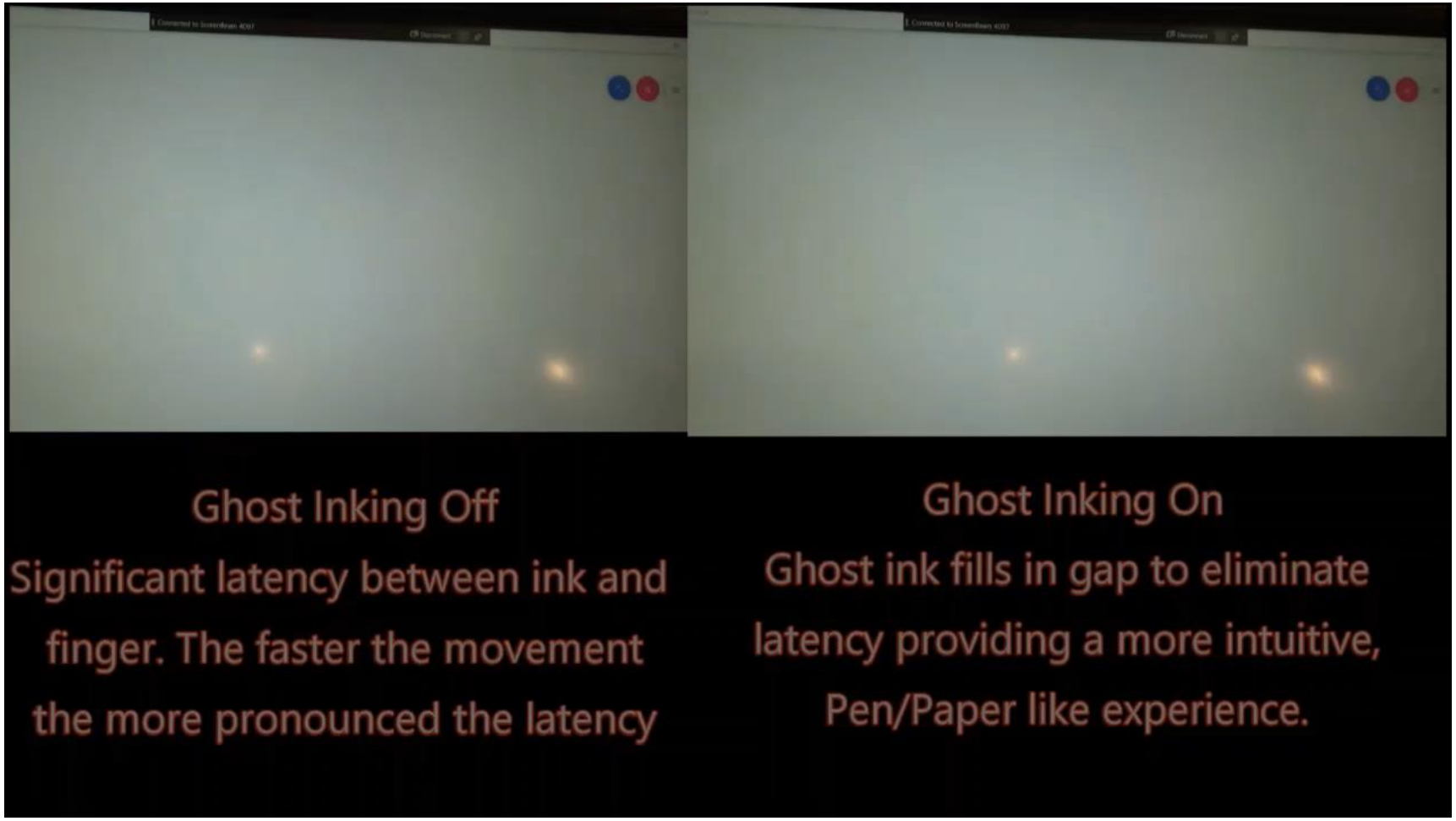
# Ghost Inking Technology

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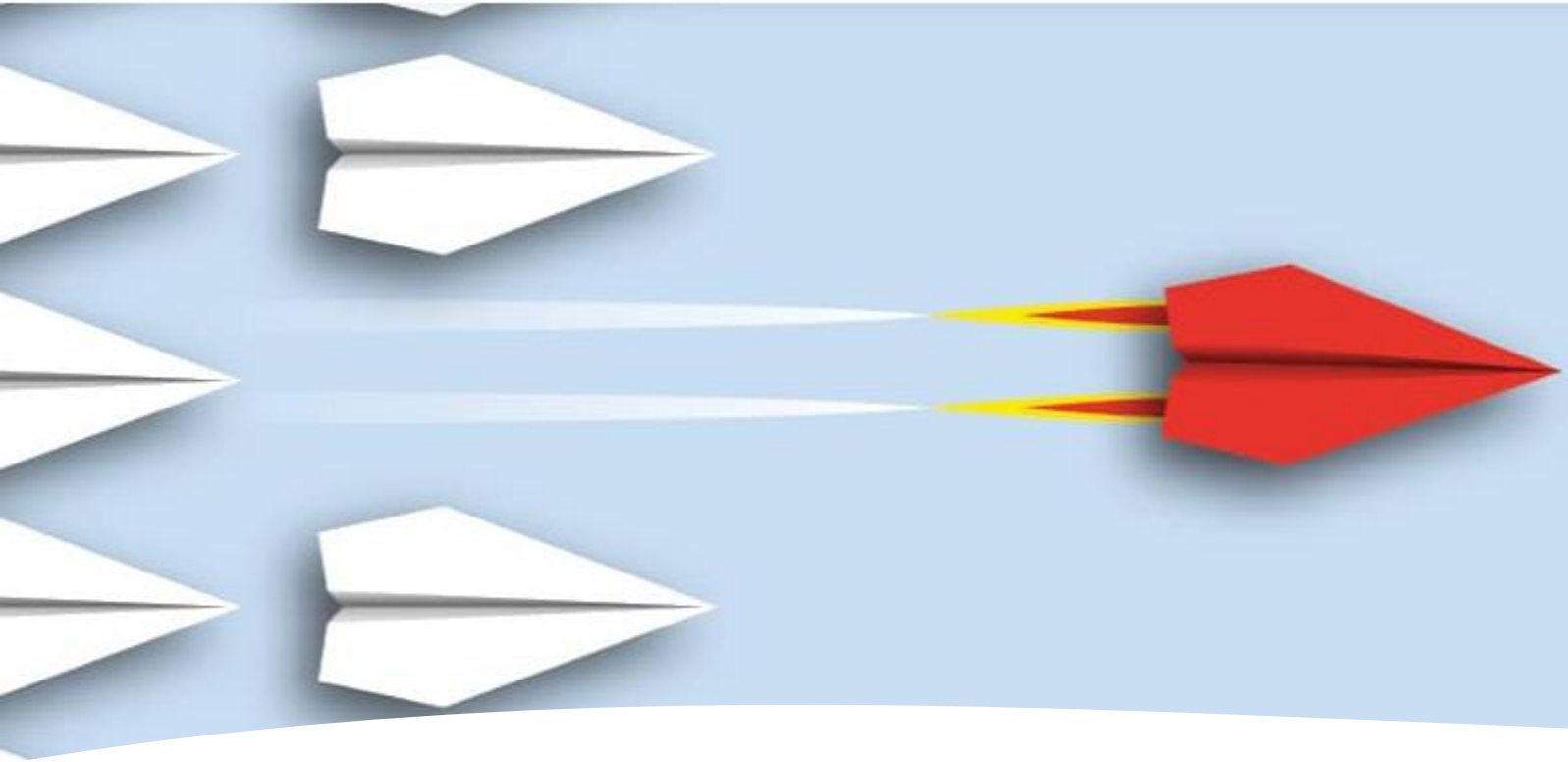
# Classroom Commander

## Windows 10 and Chrome

- Preview student screens
- Monitor student screens in real-time
- Untether teachers
- Create flexible classrooms
- Private messaging
- Launch browsers across devices
- Blank out student screens & lock keyboards
- Collaborate w/ wireless inking and touch
- Provide a dedicated P2P connection between each device

only

# Classroom Commander for Windows 10 & Chrome



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