

SPRING WEBINAR SERIES Transforming Learning in the Classroom

Enable the Classroom, then Enable the Students

Innovations Bringing STEM and Robotics to Today's Classrooms



STEM/Robotics Classroom Challenges





STANDARDS



We have restrictions on web usage, sites that are allowed, etc.





Introducing the Mimio MicroCloud

- A self-contained cloud learning environment
 - Students connect wirelessly
 - LMS, Curriculum, and Content cached locally
 - Students feel 'live' on the internet
- Systems and Content are updated whenever a connection is available
- ✓ Drops right into the classroom!



MicroCloud Removes Connectivity Issues



desktops, tablets, mobile

phones)

BOXLIGHT.

IL CA



MicroCloud: Secure, Stable



Filter Internet access by profile for both content, bandwidth



Control which users can access local and Internet resources



Improve internet speed by caching HTTP and HTTPS sites





MicroCloud: Standards-based Education



End-to-End Solution Architecture



Addressing Challenges at the Student Level

Mimio MyBot STEM Robotics Solution







Mimio MyBot STEM Solution

- Mimio MyBot An Ecosystem providing STEM solutions
- ✓ A continuum expanding to K-12 with a consistent interface across platforms
- A powerful and innovative software engine supporting a range of MyBot robot platforms









Mimio MyBot STEM Solution

- ✓ Wi-Fi enabled robots
- Integrated with Mimio MicroCloud creating a closed loop learning environment
- ✓ MyBot Ecosystem modes:
 - One-on one, Direct connection device to robot
 - Classroom MicroCloud Wi-Fi environment







Mimio MyBot Features

- ✓ Wi-Fi Interface
- ✓ No Software to install
- ✓ Use almost any device with Wi-Fi and a browser including:
 - Desktops
 - Laptops
 - Chromebooks
 - Tablets
- ✓ Windows, iOS, Linux
- ✓ Graphical and Text based languages





Mimio MyBot STEM Solution

- ✓ A range of coding environments tailored to different grade levels
- ✓ Tile, Block and Text based coding options







Python

import Fusion f = Fusion.driver() int_gyro1 = Fusion.intGyro(f) int_gyro2 = Fusion.intGyro(f, 0x40) f.motorSpeed(f.M0, 70) f.motorSpeed(f.M1, -70)



Boxlight Webinar Series



Want to learn more about Boxlight's innovative solutions?





