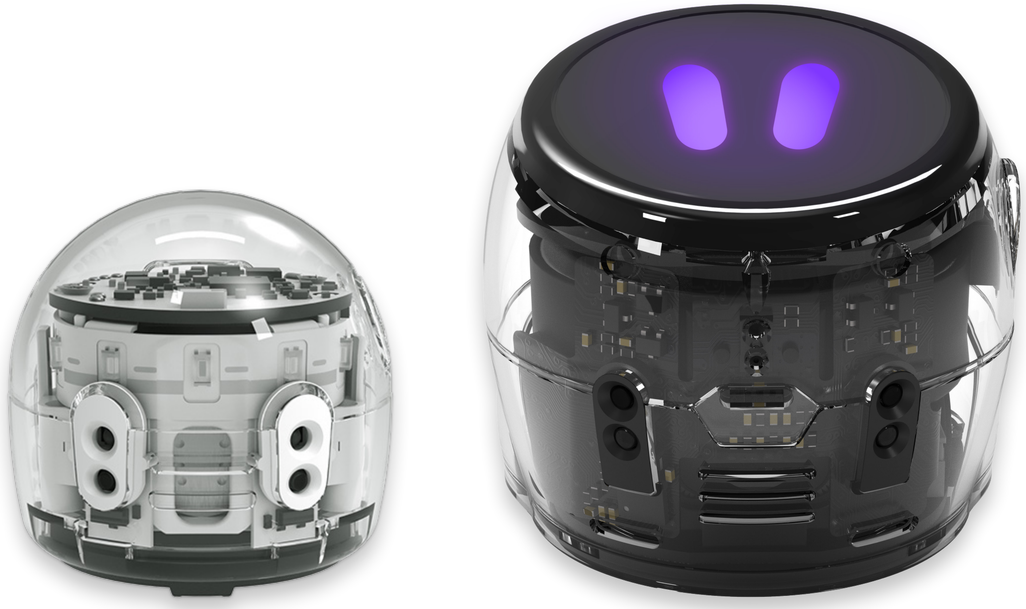
Evo vs. ari

How do they differ?



	Evo	Ari
Ways to Code		
Screen Free Color Coding	✓	✓
Blockly Based Coding	✓	✓
Python Coding	✓	✓
Hardware		
Bluetooth Low Energy (BLE) Enabled	✓	✓
Wi-Fi Enabled	✗	✓
Programmable multi-color LED	✓	✓
Hi-resolution Touch Screen	✗	✓
Speaker	✓	✓
Microphone	✗	✓
IR Sensors for Object Detection	✓	✓
Time of Flight Distance Sensor	✗	✓
Pick-Up Sensor (detects if bot is place on surface)	✗	✓
Accelerometer	✗	✓
Gyro Sensor	✗	✓
Connected Experience		
Supported Devices	iOS, macOS, Android, Windows, & Chrome OS	iOS, macOS, Android, Windows, & Chrome OS
Lesson & Curriculum		
Video Lessons	PK-12	PK-University
Math and ELA Standards	✓	✓
CS Curriculum	✓	✓
Interactive Lessons with Touch Screen and Animations using coding and sensors	✗	✓

Evo vs. ari

What do they teach?

STEAM Content	
Evo	**Ari**
Hands-On Science Exploration Inquiry based lessons aligned to Physical, Life, Earth & Space, and Engineering sciences.	**Interactive Science & Exploration** Engage students with app-based, hands-on science using high quality images and Ari's touch screen. Lesson applications align with Physical, Life, Earth & Space sciences for an immersive learning experience.
Technology & Computational Thinking Develop coding and problem solving skills through engaging, fun challenges, including themed lessons that celebrate seasons and holidays.	**Technology & Sensor Integration** Lessons immerse students in real-world applications of technology, using the touch screen, microphone, and sensors (time-of-flight, pick-up, and gyro) to explore hardware, data, and problem-solving.
Engineering & Design Thinking Apply the engineering design process through challenges, games, and real-world problem-solving.	**Engineering & Problem-Solving** Students engage in the Engineering Design Process to solve real-world problems using Ari as a tool for measurement, data collection, and system testing, leveraging its touch screen, sensors, and interactive capabilities.

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What do they teach?

Computer Science (Coding) Content	
Evo	**Ari**
Screen-Free Color Code Programming Using visual coding, students create paths, control movement, and implement speed, direction, and special commands.	**Color Code Programming & Visual Feedback** Students learn to program with color codes, watching Ari respond with both physical movement and on-screen animations thatreinforce coding concepts and provide instant feedback.
Ozobot Blockly & Advanced Coding Students progress from foundational coding to advanced concepts, mastering sequencing, loops, conditionals, functions, and debugging through scaffolded lessons and complex challenges.	**Enhanced Block-Based Coding** Students program in the Ozobot Editor, leveraging advanced features like AI block integration, taking readings from Ari's sensors, and the ability to code visuals and user interfaces on Ari's screen for a more dynamic and interactive coding experience.
Foundations of Robotics & Coding With vertically paced instruction, students build skills year over year as they explore hardware components, calibrate Evo,and learn how sensors, motors, and light based communication function.	**App Design & Development** Students explore the full spectrum of app creation bydesigning and programming their own touch-screen-enabled apps for Ari, developing skills in user interaction, interface design, and computational thinking.

Evo vs. ari

What do they teach?

Core & Career Content	
Evo	**Ari**
Supplemental Math Reinforce key math concepts through engaging, hands-on activities. Students practice skip counting, probability, coordinate grids,and functions with interactive challenges like bowling, sports simulations, and logic-based problem-solving.	**Interactive Math Exploration** Students engage with math concepts through hands on, touch-screen lessons and real-world applications. Ari's sensors enhance learning in concepts such as area, perimeter, scale, and trigonometry, integrating measurement and data collection into engaging problem-solving activities.
Supplemental ELA Engage students in immersive, screen-free literacy practice that reinforces core ELA instruction. Activities include sentence building, verb tenses, storytelling, and Ozobot-powered literacy games.	**Touch-Screen Enhanced Literacy** Leverage Ari's touch screen for engaging, hands on literacy practice. Students build sentences, explore verb tenses, and develop storytelling skills through interactive lessons that enhance comprehension and language development.
	Career Connections in Technology & Engineering Students explore real-world applications of data collection, architecture, engineering, and self driving technology through hands-on activities that build measurement and analysis skills.