

Welcome to our webinar:

Robotics in the CS Classroom

- Host: Neil Plotnick - CS for All Teachers Community Ambassador
- Our guest experts:
 - Bambi Brewer, Birdbrain Technologies
 - John Cole, Dexter Industries
 - Lisa Rode, 6th grade teacher and “Dexpert”



We want to HEAR from you! Please choose the first option in the Audio Conference window (**Dial-out**) in order to communicate verbally. If unable to receive an incoming call, please choose one of the other options listed.





Robotics in the CS Classroom

What is the current state of robotics for computer science education in 2019?

Neil Plotnick - CS for All Teachers Community Ambassador

February 19, 2019

***Please note:** This webinar showcases a few different tools. *CS for All Teachers* does not evaluate or endorse any presented product.



BirdBrain Technologies



Mission: To to inspire deep & joyful learning in all students through creative robotics.

About: Products designed at Carnegie Mellon University in the CREATE Lab

BirdBrain Speaker: *Bambi Brewer*



BirdBrain Technologies



Hummingbird



Finch



Dexter Industries



- **Mission:** We understand computer science concepts and programming when we see it do something tangible in the physical world.
- **About:** American educational robotics company that develops robot kits that make programming accessible for everyone. Dexter Industries was founded in 2010.

Dexter Industries Speakers:

John Cole, Founder of Dexter Industries; Lisa Rode, 6th grade teacher & Dexpert



Dexter Industries



GoPiGo

GiggleBot

BrickPi



For first time robotics programs...

- What are appropriate prerequisites?
- How do you handle grade level considerations?
- What time considerations should you make?
How many sessions to cover a portion of the curriculum?



In regards to spanning multiple grades

- How do your products support users from introductory to advanced?
- What ways can teachers expect to use robotics for several years in a high school?



To use these robots...

- What platforms support your robots?
- What hardware requirements (memory, disk space) are there for computers?
- What operating systems can be used?
- What programming language support is offered?



Robotics in courses other than CS...

- What are some ways that robots are being used in english, history, math and other areas of the school?
- Can you share the most unique way that your robots have been employed?



Resources for Teachers...

- How do you obtain examples of curricula?
- Where can teachers access professional Development?
- How can schools evaluate your products?



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- Participate in free webinars (like this one!)
- Access free resources
- Learn more about ECS and CSP curricula
- Download the latest ECS assessments

<https://csforallteachers.org/user/register>



Thank you for attending our webinar!

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-Bambi Brewer: [@RobotBambi](https://twitter.com/RobotBambi)



Dexter Industries: dexterindustries.com

-John Cole: [@DexterInd](https://twitter.com/DexterInd)

-Lisa Rode: [@RodeRunners](https://twitter.com/RodeRunners)



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