

Smart Homes

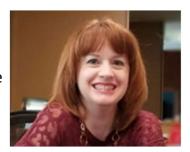
Alexa, Google, Ring, Accessories

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1

Presenter

- RESNA Certified ATP
- M.S. in Rehabilitation Science and Technology
- Taught undergraduate and graduate level assistive technology courses at East Carolina University
- Developed an online graduate certificate program in AT for East Carolina University
- Director of Assistive Technology at Westminster Technologies





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Objectives

- Discuss Smart Home Technology
- Explore Smart Speakers and Hubs
- Discover Accessible Smart Technology



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3

SMART Homes

What are they?



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What is a Smart Home?

- A Smart Home is:
 - Automated tech
 - Security
 - Convenience
 - Comfort
 - Entertainment
 - Access
 - Appliances
 - Lights
 - Entertainment
 - Other





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5

Smart Home Terminology

- What does it mean?
 - Smart Device
 - Smart Speaker
 - Hub
 - Bridge
 - Automation Services





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Google Home & Nest

Smart Speakers and Displays

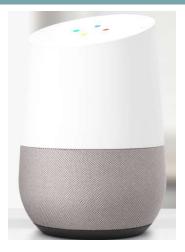


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7

Google Home

- Smart Speaker
 - Hands-free
 - Music, podcasts
 - Audio books
 - More





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Google Nest

- Smart Speaker or Smart Display
 - Nest Mini
 - Nest Hub and Hub Max
 - Smart Display
 - Video Calls/Messages
 - Control Connected Home Devices





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9

Amazon Echo with Alexa

Smart Speakers



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Echo

- Smart Speaker = Voice Control
 - Music
 - Gets Answers
 - Read
 - Weather
 - Alarms
 - · Smart home devices



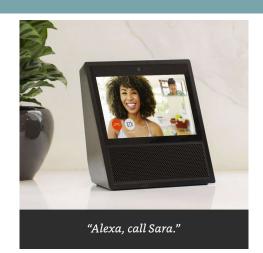


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11

Echo Smart Display

- Smart Display
 - Same features as Echo Smart Speaker
 - Video Display
 - Video Calls
 - · Watch Movies and more
 - Control Smart Home Devices
 - Digital Photo Albums





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Ring

Home Security & Automation



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13

Ring

- Home Security & Automation
 - Full-house security
 - Video doorbells
 - Smart Lighting
- App Control
- Compatible with Amazon Echo & Google Home = Voice Control





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Lights, Camera, Action

Environmental Controls



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15

Smart Plug

- Appliance adapters
 - Plug in any device
 - Control
 - App
 - Voice (Echo/Home)
 - Appliances
 - Lamps
 - · Coffee Maker
 - Fans





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Smart Lighting

- Smart Bulbs
 - App or Voice Control
 - Settings
 - On/Off
 - Dim
 - Change colors





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17

Smart Thermostats

- Accessible temperature controls
 - App Control
 - Voice Control
 - Amazon Echo
 - Google Home







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Smart Coffee Makers

- Smart Wi-Fi Coffee Makers
 - App control
 - Scheduling
- Various Models
 - All-in-One Machines
 - K-Cups
 - Single Serve or Multi-cup
 - Espresso
 - Bean Grinder



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19

Smart Home Entertainment

- Hub & Remote Control
- Apps turn phones into universal remotes
- Accessories
 - Smart Speakers
 - Smart Displays
 - Smart TVs, Projectors, Monitors
 - Smart Speakers
 - Streaming Devices (Roku, Fire TV)





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Smart Smoke & Carbon Monoxide Detectors

- Smoke & Carbon Monoxide Detectors
 - Connected to the Internet
 - Receive alerts through an app
 - Color-coded lights = threat
 - Voice alerts







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21

Smart Irrigation

- Smart Irrigation Controller
 - Built-in water saving features
 - Sensors adjust run times based on local weather
 - App control
 - Lawn or garden
 - In-ground sprinklers or hose watering





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Smart Blinds

- Hands-free window blinds
 - App Control
 - Automatic open/close
 - Built-in or Add-on





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23

Smart Doors & Locks

- Keyless or Secure Entry Options
 - Control
 - App
 - Voice (Alexa/Google compatible)
 - Keypad Entry





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Smart Pillbox

- Medication Adherence = App Technology
 - Cellular-connected caps
 - Smart pill bottes
 - Smart pill boxes





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25

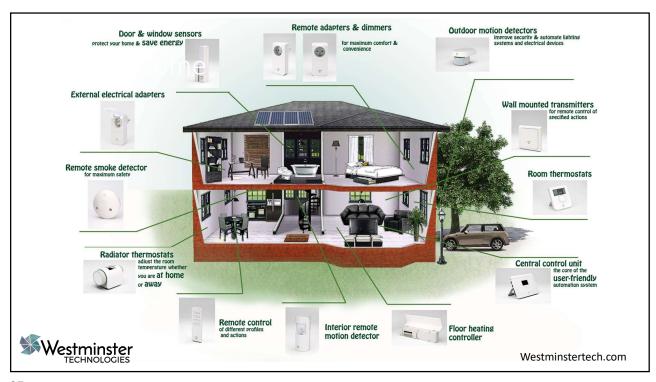
Smart Pets

- Dog Camera & Treat Dispenser
- Features
 - Voice commands
 - Pre-scheduled
 - Behavior-based
 - Barking alerts
 - Behavior modification





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27

Security and Vulnerability

- Is your Smart Device Secure?
 - Hackers can access your systems through:
 - Home Network Router
 - IoT Devices
 - · How to secure your Smart Home
 - Wi-Fi Router should be locked and secured
 - Research privacy policies
 - Verify personal data isn't stored or not being sold to a third party
 - · Know how updates are enabled





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Questions



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29

Resources

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31

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Any Questions after Webinar

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