What are the ethical implications of our youth using artificial intelligence?

**Artificial Intelligence**

**Alexa**
- An artificial intelligence designed to listen to commands and execute them.
- Commands include:
  - Play music, order things, control smart lights, answer questions, put things on a shopping list etc.
- Devices include:
  - Amazon Echo, Echo Dot, Tap, Fire TV, Fire Tablets.

**Siri**
- An artificial intelligence on apple devices designed to listen to commands and do them.
- Commands start with Hey Siri, and include:
  - Setting reminders, setting alarms, sending texts, mapping services, phone calls, starting workouts, play music, answer questions etc.
- Devices include:
  - iPhones, air pods, iPads, Apple Watches.

**Smart Connected Toys**
- Toys that are able to interact with the children using them.
- Devices include:
  - Moxie Robot, Cognito's Dino, KidKraft Amazon Alexa Toy Kitchen etc.

**Children**

- Newborn (0-3 months)
  - Listens to voices, cries, makes eye contact, turns towards sounds, follows objects, begins to smile.
- Infant (3-12 months)
  - Babbles, reacts to noises, recognizes names, follows some commands, associates names with people and objects, gesture, point, begins exploration, laughs, responds to facial expressions, give hugs, notices music.
- Toddler (1-3 years)
  - Begins speech, answers questions, names objects and people, follow directions, walking, drink from a cup, dress themselves, climb, very emotional, tantrums, begin counting, knows name.
- Preschool age (3-4 years)
  - Speaks clearly, asks lots of questions, use a toothbrush and scissors, catch a ball, draw a circle, use a fork and spoon, play with others, role play.
- School age (4-5 years).
  - More complex sentences, tell stories, sings, wash independently, draws people, makes friends, talks about likes and dislikes, take turns, share, grasp of colors and numbers and size and time, understands routine.
- School age (6-12 years).
  - Coordinated movement, longer periods of focus, speaking and writing complex sentences, increased body awareness.

**Affects of Technology on Children**

**Smart Connected Toys**
- SCTs collect and store images of their users.
- Children with speech disorders are sometimes excluded from use.
- Side Effects of SCTs
  - Creates new styles of play and differing creativity
  - Normalizes surveillance
  - Causes more gender bias
  - If the toy suddenly stops working as intended and has a different voice, or acting differently can cause fear in children.
  - Strong emotional connections with the toys
  - Social isolation
  - They engaged more with the toys than the real world
  - Dependency on trust
  - The devices always act in the same manner
  - Aggression
  - Over trust in the SCT, causing them to develop unrealistic expectations.

**Children and Alexa/Siri**
- Children say things like:
  - What’s the weather like today?
  - What is the chance of rain today?
  - Can you turn the lights on?
  - Play Baby Shark
  - Add Mac n Cheese to Shopping list
  - Order hot wheels
  - Etc.

**REFERENCES**

Amazon Echo Dot 2nd Generation, Smart Speaker. google Home, Voice command device, Amazon Echo, amazon Alexa, home Automation Kits, wireless Speaker, loudspeaker, amazoncom | Anyrgb. (n.d.).


