

# Technology



Adapted from Creative Curriculum, 2010

# How Does Technology Promote Development and Learning?

- **Social/emotional-** children demonstrate self-direction and independence, problem solving with other children (sharing and taking turns), and leadership for those children who are “computer experts”.
- **Physical-** children use fine motor and hand eye coordination when they use a keyboard, insert a CD, and use the mouse.
- **Language and Literacy-** children can begin to identify letters of the alphabet, make connections between speech and print, and learn computer terms such as icon, cursor, and CD-ROM.
- **Cognitive-** children explore cause and effect, create patterns, solve problems, and discover solutions, they learn to do on screen what they have already learned through hands-on learning.



# Create an Environment for Technology



- **Location-** near outlets with cords placed out of children's reach. Good lighting that does not cause glare on computer.
- **Furnishings-** child-size table with two chairs, power cord for easy turn on and off, and use twist ties to keep wires together and away from children's feet.
- **Suggested Materials-** computer or I-Pad, access to printer, software at children's reach, speakers, mouse, scanner, digital camera, and computer microscope.

# What Do Children Learn By Using Technology?

- **Literacy**- vocabulary and language development, phonological awareness, understanding of books(electronic books), knowledge of print, letters and words, and enjoyment of literacy.
- **Mathematics**- number concepts, patterns and relationships, and measurement.
- **Science**- physical science, life science, and earth and environment.
- **Socials Studies**- learn about people and how they live and people of the past.
- **The Arts**- learn basic of music(melody and rhythm) and they can colors, shape and design.
- **Technology**- children gain awareness, basic operation and concepts of I-PADS computers, printers, CD-ROMS, and digital cameras.



# The Teacher's Role

- Help children learn to use computers as a tool for problem solving, research, creativity, and fun
- Sit with children and talk about how the computer or I-PAD works
- Observe where a child is at in knowledge of computers
- Respond to each child and think about how you might enrich their experiences
- Describe and comment what the children are doing
- Ask open-ended questions

