TECHNOLOGY TOOLS WORKSHOP

WWW.WINTHROP.EDU/ITC
Small microscope used to explore items close up
Connects to computers via USB cable
Requires specific software
Use with prepared slides or everyday objects
Encourages hands-on investigation
Great for lab reports, presentations, and authentic assessment of digital portfolios
STIKBOTS

- Used to create green screen projects with students
- Additional accessories and stikbot pets are available
- Requires App to make Stikbot video
- ITC Green Screen/Stop Motion Animation Info
- Stikbot Studio
  - Requires Stikbot Studio App
GREEN SCREEN WITH DOINK APP

- Easy to create green screen videos and images from iPad
- Requires DoInk app: allows you to combine photos and videos from camera roll with live images from iPad
- Enables you to tell a story, explain an idea, and express yourself in creative and unique ways

More apps for Green Screen: Animation & Drawing by Do Ink, Stop Motion, FlipBook Lite, iMotion
Round robot that can be programmed or driven by students
Compatible with iPad, iPod Touch, iPhone, etc. (refer to http://www.sphero.com/devices)

- The Sphero App
- Sphero Video – Spheros in Schools
- ITC Sphero and Ollie Info

Main App: Sphero App
Additional Apps: RollingDead, SpheroGolf, ColorGrab, Sphero Edu, Chromo, Exile, MacroLab
Cylindrical robot that can be programmed or driven by students
Compatible with iPad, iPod Touch, iPhone, etc
What is Ollie?

Main App: Ollie App
Guide your little robot through immersive adventures with markers and color codes

Robot can be programmed through various apps as well as using colored markers

Graph paper, markers, and other assorted items may be checked out upon request

How to Use Ozobot Bits

ITC Ozobot Information

Apps: OzoGroove, Ozobot
Works the same as the ozobot bits or can be used interactively with each other

- They can talk to each other
- Both are programmed with markers
- Works better with app

Comes with various skins

- Ex: Marvel Avengers

Apps: Ozobot, Ozobot Evo
VR HEADSETS

- Used to explore Virtual Reality Apps
- Use your own phone or iPods, or check out one of our red iPods to use with them
- Device worn over your eyes
- Blocks out all external light and shows you an image screen right in front of your eyes
- Goal: to immerse you in the game
- [ITC Virtual Reality Information](#)

VR Headset Apps: Expeditions, Cardboard Camera, USA Today, GSVExplorer
AR CARDS

- 4 different card sets that can be checked out: Animal 4D+, Space 4D+, Octaland 4D+, and Dinosaurs 4D+
- Each set requires an App allowing you to explore such things as the solar system in a new and unique way
- [ITC Augmented Reality Info](#)

**Animal Apps:** Animal 4D+

**Space Apps:** Space 4D+

**Octaland Apps:** Octaland 4D+

**Dinosaur Apps:** Dinosaur 4D+
The ITC currently has 10 AR Books
Each requires a different app
Products will work with iPhone, iPod, iPad, and Androids
List of AR Books:

- **iStorm**: explore the surface of planet Earth. Unleash a world of wild weather. App: iStormAR

- **iSolarSystem**: Drive the Mars Rover around your floor, Ride the Lunar Elevator to the moon, Explore the planets and Beyond. App: iSolarSystemAR

- **iScience**: Explore the wonders of science such as splitting atoms in the palm of your hand and discovering how much energy you need to knock down a wall. App: periodic table

- **Bugs**: Explore life in the undergrowth and read astonishing facts about the extraordinary insect world. App: iBugsAR
LIST OF AR BOOKS CONTINUED

- **ABC Animals**: Alphabet in Motion, brings alphabet to live through paint, audio, and video. App: abc Animals AR

- **Curious Pearl Science Girl**: sidebars you can scan with your smartphone, videos to learn more about matter. App: Capstone 4D

- **Goldilocks and the Three Bears, Jack and the Beanstalk, The Three Little Pigs, and Little Red Riding Hood**: Read then look for special pages
  - These pages contain a special icon
  - Four 3D games and experiences that are weaved into the storyline
  - Apps are available through the incredebooks website
AR POSTERS

- There are 5 different AR posters within the ITC
- Each poster requires an App
- Hover your camera over the posters and watch it come to life using Augmented Reality Technology
- Use your touchscreen to activate 3D visual interactions
AR POSTER: USA CAPITALS AND PRESIDENTS

- Play exciting games and discover facts about the 44 presidents
- Test knowledge of the US Capitals and the founding fathers
- Explore key points in history and interact and learn about all 50 states

App: USA Map
AR POSTER: SOLAR SYSTEM

- Blast off on an out-of-this-world adventure with this interactive Solar System Chart
- Play exciting games and discover fascinating facts about our solar system and its planets
- Voyage throughout the galaxy and interact with planets, moons, asteroids, comets, spacecraft, and more

App: PoparSolarSystem
Learn and discover fascinating facts about the male and female human body

Check your knowledge of the human anatomy and how your body works

Interact and explore with all the systems including the skeletal, muscular, cardiovascular, nervous system, and so much more

Go inside the human body and play with amazing 3D models, watch educational videos, and listen to informative read-alongs

App: HumanAnatomy
Board Games

- **Code Master:**
  - Travel to a world in search of power crystals.
  - Along the way, use programming logic to navigate the map.
  - Only one specific sequence of actions will lead to success.
  - Builds planning, sequential reasoning, and problem-solving skills.
  - Great for Elementary-High School level.
  - [How to Play Code Master](#)

- **Littlecodr:**
  - Introduces students to codes in a simple way.
  - Students can lay out a series of cards to represent a path for others to follow.
  - Great for Elementary level.
  - [littlecodr Gameplay Example](#)

- **Robot Turtles:**
  - Fun way for kids to learn the fundamentals of programming.
  - Great for Elementary level.
  - [How to Play Robot Turtles](#)

- **Code Monkey Island:**
  - Teaches kids to use and master the fundamentals of computer science.
  - Great for Elementary/Middle level.
  - [Code Monkey Kickstarter](#)