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Introduction

The iPod touch®, iPhone® and iPad™ digital mobile devices have great potential in the educational arena in that they are very mobile, allowing for use any time, anywhere, any place. They are also low in cost inviting use by diverse populations. The touch interface allows the user to interact with a real world manipulative in a way that assists in the mastery of concepts. The conceptual mastery allows for not only the transfer of knowledge to other situations, but also for an increase in reasoning and problem-solving abilities.

These devices, with powerful apps, allow students to learn through play and exploration. When students have these devices 24/7, they create the time needed to use these tools with depth to develop abstract knowledge from concrete. However, when used in the classroom, there is usually time for a student to gain a superficial knowledge of rote manipulation and procedures, without any other connections to future needs. In a classroom situation, time is limited, so teachers use the devices as demonstration tools or students use them in unsupervised or under-supervised centres, many times unsure of the necessary outcome.

As the apps are revised and become more instructionally significant, these devices may make a major impact on teaching and learning. Not only will they become significant in tutoring students, but also in helping students scaffold their knowledge, especially as schools allow students to bring their personal devices into the classroom. With over 225,000 applications (apps) in the iTunes® store, the iPhone, iPod touch and iPad mobile devices have become the favourite for students and teachers. From pre-prep to beyond secondary school, these devices have put the “pzazz” back into learning.

From the Microsoft Office® and the iWork® suites to the online suite of Google® tools and more, devices made by Apple Inc® will run them all – not only view documents, but edit and create new documents. However, most of the apps are self-contained programs ranging from a diverse variety of utilities to powerful programs emulating applications found on desktop computers.

Prices: The prices of the apps change frequently and vary from free to $30.00 each. The prices connected to the apps mentioned in this book were the prices at publication. Each app should be researched in the iTunes store for the current price. After doing a search in the iTunes store, select the “All applications by” box to see if any “Lite” or free versions of the app exist. Sometimes authors release a free version for advertisement or trial.

Tutorials and Support: Each app described in this book has a link to the publisher’s website and support website. From those websites, additional information including tutorials and support can be obtained.

Thank you to the authors and publishers who gave permission for their apps to be published in this book.
Art

Who:  Subject:

- Pre-Prep–2  Career-Tech Ed
- 3–5  Fine Arts
- 6–8  Foreign Language
- 9–12  Health/ Fitness

- English  Literacy
- Science  Social Studies
- Reference  Productivity

Where:

- iTunes App Store: $0.99
- iTunes Website: http://itunes.apple.com/au/app/art/id298808100?mt=8

What:

Enjoy great art and learn about over 187 artists, their biographies and an art history game features five famous artists including Klee, Picasso, Dali, Warhol, Rivera, O’Keefe and many others. Images from web sites can be saved to the gallery. The user has the option to load images into the photo gallery for use in other applications.

Because many great works of art contain nudity and/or violent images, parental controls can be used to hide selected images from display.
Band

Who:   Subject:

Pre-Prep–2   Career-Tech Ed   English   Reference
3–5   ✓ Fine Arts   Literacy   Science
✓ 6–8   Foreign Language   Maths   Social Studies
9–12   Health/ Fitness   Productivity   Other

Where:

iTunes App Store: $4.49
iTunes Website: http://itunes.apple.com/au/app/band/id283853762?mt=8
Publisher Website and Support: MooCowMusic – http://moocowmusic.com/

What:

Become a one-person band with this app. Band is a collection of virtual instruments (drums, piano, bass guitar, blues guitar and crowd noise) enabling even a beginner to create sounds. The piano keys depress, guitar strings move and the app allows for multiple touch in order to create chords.

Music can be recorded, mixed together and stored for playback.

To view a demonstration on YouTube, go to: http://www.youtube.com/watch?v=KXqbf1F1x9U&feature=player_embedded.
Brooklyn Museum Mobile Collection

Who:  Subject:

Pre-Prep–2  Career-Tech Ed  English  Reference
3–5  ✓ Fine Arts  Literacy  Science
6–8  Foreign Language  Maths  Social Studies
9–12  Health/ Fitness  Productivity  Other

Where:

iTunes App Store: Free
iTunes Website: http://itunes.apple.com/au/app/brooklyn-museum-mobile/id378356586?mt=8
Publisher Website and Support: Iconoclash Media, Inc. – http://www.crvn.net/

What:

Browse and search, with keywords, the collection at The Brooklyn Museum. This is version 1 of this app and more versions with more features are planned.

Browse the library using the Randomize button for an interesting experience in the museum.

Accompany this app with the free audio podcast from the museum: http://itunes.apple.com/us/podcast/brooklyn-museum-audio-publications/id192786429
# Drawing Pad

**Who:**

- √ Pre-Prep–2
- √ 3–5
- √ 6–8
- √ 9–12

**Subject:**

- √ Career-Tech Ed
- √ Fine Arts
- √ Foreign Language
- √ Health/ Fitness
- √ English
- √ Literacy
- √ Maths
- √ Productivity
- √ Science
- √ Social Studies
- √ Other

**Where:**

- **iTunes App Store:** $1.99
- **Publisher Website:** Darren Murtha Design – [http://drawingpadapp.com/](http://drawingpadapp.com/)
- **Publisher Support:** [http://drawingpadapp.com/support](http://drawingpadapp.com/support)

**What:**

Drawing Pad for the iPad encourages creativity of all ages with tools consisting of realistic crayons, brushes, pens, pencils, textas, stickers and more. Email the artwork, save to the Drawing Pad Album or iPhoto Library, access Twitter and post on Facebook. The realistic art tools make this app a real mobile art studio.

**How:**

Students choose the tool, background colour of their choice and create an original work of art. The tool tray can be minimised to provide a full iPad screen.

Examples of toolbars:
Faces iMake

**Who:**
- √ Pre-Prep–2
- √ 3–5
- √ 6–8
- 9–12

**Subject:**
- Career-Tech Ed
- Fine Arts
- Foreign Language
- Health/ Fitness
- English
- Literacy
- Maths
- Productivity
- Reference
- Science
- Social Studies
- Other

**Where:**
- **iTunes App Store:** Lite – $0.99; Premium – $1.99
- **iTunes Website:** http://itunes.apple.com/au/app/faces-imake/id357230884?mt=8
- **Publisher Website:** iMagine Machine LLD – http://www.iMaginemachine.com/
- **Publisher Support:** http://www.facesimake.com/

**What:**
Enhance your creativity by making faces from everyday objects. Twenty different face shapes and 100 different objects allow for limitless creative expressions. This app provides students with a space for experimentation with collage art. Lessons are included within the app.

Watch a Youtube video:
- http://www.youtube.com/watch?v=OFK46jpHk0s
- http://www.youtube.com/watch?v=V0W0LFsMsX4&feature=related

See examples of creations in the web gallery:

**How:**
Start with a blank face shape. Add objects for ears, eyes, nose, mouth and other face features to create a variety of expressions. Students can share their compositions in a variety of ways such as email, Facebook and Flickr.