The Applicious Classroom
A Resource Manual for Pre-K Teachers

Includes
Getting Started Guides
Appetizing Recipes
Helpful Resources
Who We Are and What We Do

The Education Technology Team provides supports for HISD’s technology initiatives to transform teaching and learning by providing services and supports for a variety of resources including content interoperability, privacy, safety, and security, evaluating and researching digital Applications and resources, and developing and conducting training.

We maintain a large collection of digital and technological resources for students, staff and administrators that enhance the work environment and educational experiences. The Education Technology Team can make recommendations and conduct trainings on how to utilize technology to enhance the individual user’s skill level. Ed Tech team members meet with large or small groups and can showcase a variety of technologies to support campus needs.

Examples of session topics include, but are not limited to: iPads in the Classroom and other Apple products and features, Microsoft Office 365, Google for Education, mobile Apps, Web 2.0, and online privacy, safety and security.

Our Goal

With a focus on encouraging student learning and engagement, we aim to make student and staff interactions with technology seamless and responsive.

Ed Tech and You

In this manual, you’ll discover the various Apps found on your classroom iPads. Utilize it as a guide to create wonderful instructional recipes for your students to enjoy. Explore the tech tips, resources and ideas about integrating the iPad in the classroom.

Need Additional Training or Information?

Contact a member of the Ed Tech Team. We are more than happy to assist you and your students in the classroom as well as provide ongoing professional development opportunities.
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ABC Spanish Reading Magic

About

ABC Spanish Reading helps students learn Spanish, provides key reading skills practice, and test phonic principles.

Preparation

1. Check to make sure the ABC Spanish Reading App has been downloaded onto the devices students will be using.

2. Review the learning menu on the App to discover available lessons.

Ingredients

- Requires iOS 4.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Frutas is an interactive game for little ones to identify various fruits in Spanish.

Cooking Time: 10 minutes

Intermediate
Numeros can be great for helping kids become familiar with identifying numbers.

Cooking Time: 10 minutes

Advanced
Barajar mixes up various items such as colors, numbers, foods, etc. for students to identify in Spanish.

Cooking Time: 15-20 minutes

Tech Tips

Notes:

Preschool University
http://www.preschoolu.com/
ABC Mouse

About

ABC Mouse helps kids learn to read through phonics, and teaches lessons in math, social studies, art, music, and much more.

Preparation

1. Check to make sure the ABC Mouse App has been downloaded onto the devices students will be using.
2. Run through the classroom set-up process:
   a. Choosing avatars
   b. Tracking student progress
   c. Searching for lessons
   d. Customizing classroom

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner

Students complete levels three and four. Teachers use the lesson builder to select activities based on student’s needs.

Cooking Time: Varies

Intermediate

Students complete levels three and four. Teachers use Progress tracking to share student data with parents.

Cooking Time: Varies

Advanced

Students complete levels five and six. Teachers record any ABCMouse book using own voice so students can hear their teacher read to them when away from school.

Cooking Time: Varies

Tech Tips

Ideas for implementation
Kid Orange Tech Facebook page
https://www.facebook.com/kidorangetech/

Kid Orange Tech Website
http://www.kidorangetech.com

Notes:

Emergent Literacy - Reading & Writing, Math
Adobe Acrobat Reader

About

Adobe Acrobat Reader is the global standard for reliably viewing, printing, and commenting on PDF documents.

Preparation

1. Check to make sure the Adobe Acrobat Reader App has been downloaded onto the devices students will be using.
2. Review the Getting Started guide for quick tips on using Adobe Acrobat Reader.

Ingredients

- Requires iOS 9.0 or later
- Compatible with iPhone, iPad, and iPod
- Teacher Use

Appetizing Recipes

Beginner
Open a PDF from mail.

Cooking Time: 5 minutes

Intermediate
Create a PDF using the tools within the Adobe Acrobat Reader App.

Cooking Time: 15 minutes

Advanced
Use Adobe Scan in conjunction with Adobe Reader to capture images and transform them into versatile PDFs.

Cooking Time: 5 minutes

Tech Tips

Adobe User Guide
www.helpx.adobe.com

Notes:
Bitsboard

About

**Bitsboard** provides word games, memory games, spelling games, and reading practice activities, and dozens of other activities students can use for remediation.

Preparation

1. Check to make sure the **Bitsboard** App has been downloaded onto the devices students will be using.
2. Create and customize your own boards or, copy existing boards in advance for student use.
3. Review the Getting Started Guide.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

**Beginner**
The Trace It game is a really fun and interactive game for little ones to improve their handwriting and letter recognition skills.

*Cooking Time:* 10 minutes

**Intermediate**
What’s Next game can be great for helping kids learn the sequences of events or to become familiar with sorting letters or numbers.

*Cooking Time:* 10 minutes

**Advanced**
Unscramble is a fun game to learn spelling and become familiar with new vocabulary.

*Cooking Time:* 15-20 minutes

Tech Tips

Bitsboard Staff Tutorial -

Bitsboard - Apps For Educators
[http://youtu.be/oPwku_iFo0](http://youtu.be/oPwku_iFo0)

Bitsboard for PreSchoolers
[http://bitsboard.com/bitsboard-for-preschoolers](http://bitsboard.com/bitsboard-for-preschoolers)
ChatterPix & ChatterPix Kids

About

ChatterPix and ChatterPix Kids are photo-editing Apps that allows students to make photographs talk.

Preparation

1. Check to make sure the ChatterPix Kids App has been downloaded onto the devices students will be using.
2. Allow time for students to draw an illustration that connects to the lesson activity using paper, pencil, coloring tools, or using a drawing App on the iPad, or take a photo to be used with the App.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Preload images of the alphabet. Students will record the sound the letter makes and name something that begins with that letter.

Cooking Time: 15-20 minutes

Intermediate
Students choose a picture of their favorite animal and open it with the App. Then record three facts about the animal. Don't forget to share finish product with parents.

Cooking Time: 30 minutes

Advanced
Students upload an image that represents their favorite character from a book and record their most memorable line in the book.

Cooking Time: 30-40 minutes

Tech Tips

A Quick Intro Video
ChatterPix by Duck Duck Moose - Make Anything Talk!

Video Tutorial and Uses for the Classroom
What’s Appening - Chatter Pix Kids

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Clever Badges

About

Clever Badges allow students to safely access their district resources by holding up a physical badge with a QR code to the device’s camera.

Preparation

1. Check to make sure the Clever App has been downloaded onto the devices students will be using.
2. Print students’ QR Codes, laminate the codes, and store in a secure place easily accessible to students.
3. Review the Getting Started Guide.

Ingredients

- Requires iOS 9.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Print student badges and store in a safe easily accessible location.
  
  Cooking Time: 5 minutes

Intermediate
Print student badges, laminate for longevity, and store in a safe and accessible location.
  
  Cooking Time: 30 minutes

Advanced
Print student badges, laminate for longevity, clip each badge to a lanyard, and store in a safe and easily accessible location.
  
  Cooking Time: 30-40 minutes

Tech Tips

Questions
Visit: support.Clever.com

Troubleshooting issues
Contact: servicedesk.houstonisd.org

Notes:
Clips

About

Clips is an iOS App for making and sharing fun videos with text, effects, graphics, and more.

Preparation

1. Check to make sure the Clips App has been downloaded onto the devices students will be using.
2. Become familiar with the Clips App interface.

Ingredients

- Requires iOS 11.0 or later
- Compatible with iPhone, iPad, and iPod
- Teacher Use

Appetizing Recipes

Beginner
Turn a worksheet into a set of video instructions.

Cooking Time: 10-20 minutes

Intermediate
Create a Clip and add subtitles, animations and voice over for students with accessibility needs.

Cooking Time: 30 minutes

Advanced
Use Clips to create a flip lesson for students. Great time to incorporate App smashing by using others tools such as Google Docs and Google Classroom.

Cooking Time: 30-60 minutes

Tech Tips

Ideas for using Clips in the Classroom
- Introducing yourself to students and parents
- Providing feedback
- Explain steps in a process
Draw and Tell HD

About

Draw and Tell allows kids to choose from different backgrounds, characters, colors, and stencils to create artwork and stories.

Preparation

1. Check to make sure the Draw and Tell App has been downloaded onto the devices students will be using.
2. Explore and become familiar with the App before assigning to students.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
For penmanship, trace letters (take a picture of a worksheet).
  Cooking Time: 15-20 minutes

Intermediate
Make addition or subtraction sentences using the stamps. Use with the money unit.
  Cooking Time: 30 minutes

Advanced
Students could create an addition or subtraction story using stamps and the pencil tool. Then they can tell us about the story they have written.
  Cooking Time: 30-45 minutes

Tech Tips

Unlike some screencasting Apps, you can’t draw while recording but you can manipulate objects. Focus is on verbalizing content.

Work automatically saves. Encourage students to write their name on the screen first before anything else if multiple students use the same iPad.

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Duck Duck Moose Reading HD

About

**Duck Duck Reading** is a pre or early reading App that focuses on very basic skills, such as letter recognition and letter sounds.

Preparation

1. Check to make sure the **Duck Duck Reading** App has been downloaded onto the devices students will be using.
2. Familiarize yourself with the rigor by playing the levels.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

**Beginner**
Students complete levels one through three.

- **Cooking Time:** Varies

**Intermediate**
Students complete levels four through six

- **Cooking Time:** Varies

**Advanced**
Students complete levels seven through nine.

- **Cooking Time:** Varies

Tech Tips

Talk about letters and letter sounds in everyday life. Transfer some of the word and letter find and match games from the App to real-world situations like the grocery store.

Notes:

Visit the Duck Duck Moose blog and print out the workbook related to the **Duck Duck Moose Reading** App.

http://www.duckduckmoose.com/blog/
Endless Numbers

About

Endless Numbers uses cute monsters and wiggly numbers to teach beginner math.

Preparation

1. Check to make sure the Endless Numbers App has been downloaded onto the devices students will be using.
2. Go through the levels to become familiar with rigor of levels.

Ingredients

- Requires iOS 9.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete levels one through eight.

Cooking Time: Varies

Intermediate
Students complete levels nine through sixteen.

Cooking Time: Varies

Advanced
Students complete levels seventeen through twenty-five.

Cooking Time: Varies

Tech Tips

Only levels one through five are free. Levels six through 25 are in-App purchases.

Consider using an expansion pack to help students count by 10s up to 100.

Notes:
Endless Spanish

About

Endless Numbers uses cute monsters to help kids learn Spanish.

Preparation

1. Check to make sure the Endless Spanish has been downloaded onto the devices students will be using.
2. Go through the levels for familiarity with rigor of levels.

Ingredients

- Requires iOS 7.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete levels A through H.

Cooking Time: Varies

Intermediate
Students complete levels I through Q

Cooking Time: Varies

Advanced
Students complete levels R through Z.

Cooking Time: Varies

Tech Tips

Though the Endless Spanish App is free, only a portion of the letters is available without payment.

Consider using an expansion pack to help students enhance their Spanish vocabulary.

Notes:
First Words Sampler

About

First Words Sampler provides hours of fun while students get a head start on learning letters and words.

Preparation

1. Check to make sure the First Words Sampler App has been downloaded onto the devices students will be using.
2. Become familiar with the App and list of free words before students begin to use the App.

Ingredients

- Requires iOS 7.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Have students spell words. After successfully spelling a word, students can be required to write the word on paper, so they are able to practice both their spelling ability with the App and their handwriting skills on the paper.

Cooking Time: 30 minutes

Intermediate
After students spell a word, ask students to use the word contextually in a sentence.

Cooking Time: 15-30 minutes

Advanced
After students become familiar with the format of the App, have student cut out paper letter tiles or use Scrabble letter tiles. Next, have students write a list of words. Finally put students in pairs or small groups. One student will then say a word from their list, and the other students will spell the using their letter tiles. The caller will ensure students spelled the correctly.

Cooking Time: 30-60 minutes

Tech Tips

Users can only access a limited amount of words in the free version of First Words Sampler before they are required to make an in-App purchase.
Fish School HD

About

Fish School HD is a playful underwater experience with 8 educational activities, this award-winning App teaches letters, numbers, shapes, colors and more.

Preparation

1. Check to make sure the Fish School HD App has been downloaded onto the devices students will be using.
2. Familiarize yourself with the App by playing a few levels.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students master their age appropriate level for activities one through three.

Cooking Time: Varies

Intermediate
Students master their age appropriate level for activities four and five.

Cooking Time: Varies

Advanced
Students master their age appropriate level for activities six and seven.

Cooking Time: Varies

Tech Tips

Sing the ABC song together.

Talk about fish, letters, numbers, shapes, and colors in everyday context.

Provide letter magnets or other manipulatives that kids can play with to get more exposure to preschool concepts.

Notes:

Language, Math, Reading
GarageBand

About

GarageBand turns your iPad and iPhone into a collection of Touch Instruments and a full-featured recording studio — so you can make music anywhere you go.

Preparation

1. Check to make sure the GarageBand App has been downloaded onto the devices students will be using.
2. Explore the App to become familiar with the interface and features.

Ingredients

- Requires iOS 11.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Use Multi-Touch gestures to play keyboards, guitars, and create beats that make you sound like a pro.

Cooking Time: 15 minutes

Intermediate
Use the Sound Library to download additional free instruments, loops and sound packs.

Cooking Time: 20 minutes

Advanced
Plug in a guitar or bass and play through classic amps and stompbox effects. Use a Touch Instrument, microphone, or a guitar and instantly record a performance with support for up of 32 tracks.

Cooking Time: 20-30 minutes

Tech Tips

Talk about different musical genres. Ask your kid what styles they like best and why. Record an original song together in their favorite style.

Watch live music together and talk about how the instruments and singers interact with each other. Ask how sound layers on sound.
Google Expeditions

About

Google Expedition is a virtual reality tool that lets a teacher take students on field trips all across the world without leaving the classroom.

Preparation

1. Check to make sure the Google Expedition App has been downloaded onto the devices students will be using.
2. Review lessons before engaging students.

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Lead students on a virtual adventure that correlates with your theme for the week.

Cooking Time: 30-60 minutes

Intermediate
Have a student lead an expedition.

Cooking Time: 30 minutes

Advanced
Create your own Google Expedition by visiting Google training center for ideas and steps.

Cooking Time: Varies

Tech Tips

List of Available Expeditions
https://goo.gl/RetxCG

Google Expedition Tips for Teachers
https://goo.gl/3kEhZ4

Google Training Center
https://edutrainingcenter.withgoogle.com

Notes:
iMovie

About

iMovie allows the creation of trailers or movies on the iPad and iPhone. Choose templates, add titles, make movies, choose a theme, use photos and more.

Preparation

1. Check to make sure that iMovie is downloaded onto the devices students will be using.
2. Decide whether you are creating a movie or a trailer. A trailer follows a template to create a Hollywood-style movie advertisement.

Ingredients

- Requires iOS 9.3 or later
- Compatible with iPad, iPhone, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Make a movie trailer to introduce yourself to students and parents.

Cooking Time: 30 minutes

Intermediate
Use the iMovie scrapbook template to make a slideshow of class memories.

Cooking Time: 30 minutes

Advanced
Record a book review for the book of the week.

Cooking Time: 30 minutes

Tech Tips

iMovie Trailer Planners
learninginhand.com/trailers

Search Pinterest for iMovie lesson ideas and templates.

Notes:

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Keynote

About

Keynote creates world class presentations complete with animated charts and cinematic transitions.

Preparation

1. Check to make sure the Keynote has been downloaded onto the devices students will be using.
2. Become familiar with Keynote’s interface.

Ingredients

- Requires iOS 11.0 or later
- Compatible with iPhone, iPad, and iPod
- Teacher Use

Appetizing Recipes

Beginner
Build a vocabulary list including images or diagram to add to the slide.

   Cooking Time: 30 minutes

Intermediate
Create a template with pre-outlined slides and upload to student devices. Students fill in the blanks, label diagrams and add images within the Keynote App.

   Cooking Time: 30-60 minutes

Advanced
Create slides to be inserted in other Apps such as iMovie.

   Cooking Time: 60 minutes

Tech Tips

Use outline view to map out presentation ideas.

Use special characters and screenshots as graphics.

Use animations sparingly to avoid obscuring overall message of presentation.
Kids ABC ILW

About

Kids ABC ILW App provides fun Literacy learning (letters, phonics, and spelling) and educational games for kids in Preschool and Kindergarten.

Preparation

1. Check to make sure the Kids ABC ILW App has been downloaded onto the devices students will be using.
2. Become familiar with the App and list of free words before students begin.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete first three levels.

- Cooking Time: Varies

Intermediate
Students complete mixed levels including spelling games.

- Cooking Time: Varies

Advanced
Students complete more difficult levels including a mixture of letters, spelling, and phonics.

- Cooking Time: Varies

Tech Tips

Free to try:
Words: Spell words by placing seals with letter hats in the correct order on a mysterious iceberg.

Paid Games:
Letters: Help each bear find the right slide and build up giant ice cream cones by matching lower-case and upper-case letters, then recognize letter names.

Phonics: Compose syllables by combining vowels and consonants in a fun new way by throwing snowballs to at the penguins.

Notes:

- Language & Communication
Memory Match & Learn

About

Memory Match & Learn is a comprehensive preschool activity of memory matching games. With over 130 colorful, vivid items in 7 major preschool categories, students will improve their concentration, memory and motor skills.

Preparation

1. Check to make sure the Memory Match and Learn App has been downloaded onto the devices students will be using.
2. Become familiar with the App by playing a few levels before assigning to students.

Ingredients

- Requires iOS 9.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete lower levels as assigned by the teacher.

Cooking Time: Varies

Intermediate
Students complete concentration categories.

Cooking Time: Varies

Advanced
Students complete mixed, and more difficult memory categories.

Cooking Time: Varies

Tech Tips

Purchasing full version (with all 130+ first words, all game stages and with no ads) is available with easy to use in-App purchase inside the App.
Moose Math by Duck Duck Moose

About

Moose Math is five mini games that work collectively allowing students to build a little town by choosing facades and accessories to place in it. Students practice addition, subtraction, and counting skills while building their little town.

Preparation

Check to make sure the Moose Math App has been downloaded onto the devices students will be using.

Ingredients

- Requires iOS 5.1 or later
- Compatible with iPhone, iPad & iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
The student will help the lost Dust Bunny find his way home by counting and connecting the dots.

Cooking Time: 15-20 minutes

Intermediate
Moose Juice allows the student to make smoothies while practicing counting, addition, and subtraction

Cooking Time: 30 minutes

Advanced
Pet Bingo allows students to solve addition, subtraction and counting problems to get BINGO.

Cooking Time: 30 minutes

Tech Tips

Learning activities and printable worksheets for Moose Math can be found at http://www.duckduckmoose.com/learn/

YouTube Videos:

https://www.youtube.com/watch?v=XKe-uaX_H00
https://www.youtube.com/watch?v=GqmbGEBvGwl
**Numbers**

**About**

Numbers creates amazing spreadsheets that include charts, tables, and images while collaborating with others in real-time.

**Preparation**

1. Check to make sure the Numbers App has been downloaded onto the devices students will be using.
2. Become familiar with Numbers interface.

**Ingredients**

- Requires iOS 11.0 or later
- Compatible with iPhone, iPad, and iPod
- Teacher Use

**Appetizing Recipes**

**Beginner**

Create a document that you can post to show your weekly classroom schedule. Shade cells for different subject areas so that they are color coordinated. Show days along the X axis and times along the Y axis. Be sure this is easy to read from a distance (don’t use 9 point type)!

**Cooking Time:** 30 minutes

**Intermediate**

Create a document that will function as a “To-Do” list for tasks at work. In the first column, change the data format to Checkbox. Add items like the professional learning you want to do and books and articles that you want to read! Try different formatting until you get a list you like.

**Cooking Time:** 30-60 minutes

**Advanced**

Create a document that serves as an example for students to research and report on a dream vacation. Use the document like a pin board (similar to Padlet), include images of potential destinations and text notes about the locations. Under each include projected costs: hotel, admission tickets, meals, travel etc.

**Cooking Time:** 60 minutes

**Tech Tips**

IWork Templates

[www.freeiworktemplates.com](http://www.freeiworktemplates.com)
Numbers for Osmo

About

Numbers for Osmo allow Students to learn math at their own pace. Students will get the extra practice they need outside of classroom doors while having fun exploring the underwater world and collecting fish.

Preparation

1. Check to make sure the Numbers for Osmo App has been downloaded onto the devices your students will be using.
2. Familiarize yourself with the APP by playing a few levels.

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K +

Appetizing Recipes

Beginner
Students complete the necessary levels to earn 30 fish.

Cooking Time: Varies

Intermediate
Students complete the necessary levels to earn 60 fish.

Cooking Time: Varies

Advanced
Students complete the necessary levels to earn 90 fish.

Cooking Time: Varies

Tech Tips

Numbers for Osmo will only work with the Osmo tiles.

There are four modes: Count, Add, Connect, and Multiply. Each mode will unlock as students progress in levels.

Additional Help
https://my.playosmo.com/en/help/app/numbers

Notes:
About

Osmo Monster brings drawings to life by creating animated adventures! Each item drawn for Mo will be magically pulled into his world.

Preparation

1. Check to make sure the Osmo Monster App has been downloaded onto the devices students will be using.
2. Play each level before assigning to students to become familiar with the level of rigor for each activity.

Ingredients

- Requires iOS 7.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete Activity 1: The Magic Show

Cooking Time: Varies

Intermediate
Students complete Activity 2: Adventure

Cooking Time: Varies

Advanced
Students complete Activity 3: Mo’s House

Cooking Time: Varies

Tech Tips

Place the Creative Board flat against the Osmo Base so that the Osmo logo is closest to the screen.

After drawing, keep hands and fingers away from the drawing so that Mo can see it.

Keep the reflector placed squarely in the center so the camera can see the Creative Board.

Draw or place objects for Mo squarely on the Creative Board.

Notes:
Osmo Tangram

About

Osmo Tangram is a great way to use shapes to exercise spatial and visual problem-solving skills.

Preparation

1. Check to make sure the Osmo Tangram App has been downloaded onto the devices students will be using.
2. Become familiar with the shapes, colors, and exciting puzzles within the App.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone and iPad
- Serves Pre-K+

Appetizing Recipes

Beginner

Have your students start either individually or together as a class on ‘Introduction to Tangram.’ The game will lead them through 13 puzzles starting with two shapes and ending with six shapes. Go around asking students to identify the shapes and colors.

Cooking Time: Varies

Intermediate & Advanced

Then play ‘Tangram’ and choose ‘Easy.’ Students will journey the Tangram world by solving animal puzzles that will eventually take them to the castle, which contains three puzzles of either humans or objects. Unlocking a castle will give them a treasure chest filled with extra hint points!

Cooking Time: Varies

Tech Tips

Throughout the lesson, ask students to identify shapes, colors, and the bigger shapes that the two smaller shapes created when combined together. Look out for the orange parallelogram - the trickiest shape!

Osmo Tangram FAQs


Notes:

Fine Arts, Math & Physical Development
Osmo Words

About

Osmo Words allow students to explore the land of words, a magical place where characters students to guess and spell the image displayed on the screen.

Preparation

1. Check to make sure the Osmo Words App has been downloaded onto the devices students will be using.
2. Familiarize yourself with the App by playing a few levels.

Ingredients

- Requires iOS 7.0 or later
- Compatible with iPad, iPhone, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students play Words with a friend to see who will spell the mystery word first.

Cooking Time: Varies

Intermediate
Students play Words in Adventure mode for challenging puzzles that will take them across epic adventures each time a puzzle is solved.

Cooking Time: Varies

Advanced
Create a Word album about any theme or topic.

Cooking Time: Varies

Tech Tips

Visit https://goo.gl/TeUsXP for a plethora of word albums created by other teachers.

Create your own Word album https://my.playosmo.com/
About

Pages similar to Word in which it allows users to create documents such as brochures, resumes, cards, certificates, reports and more.

Preparation

1. Check to make sure the Pages App has been downloaded onto the devices students will be using.
2. Become familiar with Pages’ interface.

Ingredients

- Requires iOS 11.0 or later
- Compatible with iPhone, iPad, and iPod
- Teacher Use

Appetizing Recipes

Beginner
Create a “meet the teacher” flyer using Pages. Make a flyer you would post on your classroom door during an open house, so parents would get an idea of who you are and what you teach. Remember it needs to have visual impact! Choose colors, fonts and layout carefully.

Cooking Time: 30 minutes

Intermediate
Create a blank page and pull in 3 images from the web that you could use in your next classroom presentation. Use the Format > Instant Alpha feature to remove unnecessary whitespace in the background. Change your document’s color to match the graphics (use a gradient if necessary).

Cooking Time: 30-60 minutes

Advanced
Use the table feature in Pages to create a People Bingo board that will help your students get to know each other. Format the table so it’s fun to use (free space, school colors, background image).

Cooking Time: 60 minutes

Tech Tips

After mastering Pages basic, challenge yourself by using pre-formatted templates, comments, and built-in charts.
Park Math HD

About

Park Math HD teaches numbers, counting, addition, subtraction, sorting and patterns and more through 7 fun, educational activities.

Preparation

1. Check to make sure the Park Math HD App has been downloaded onto the devices students will be using.
2. Familiarize yourself with the App by playing a few levels.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students master activities one through three

Cooking Time: Varies

Intermediate
Students master activities four through six.

Cooking Time: Varies

Advanced
Students master activities seven and eight.

Cooking Time: Varies

Tech Tips

Reinforce the material. For example, point out the pattern, "See, it goes castle, castle, shovel."

Recreate some of the math activities in real life such as making sequences using toys.

Use the same language in everyday life, pointing out size and pattern differences and counting.

Notes:
Pet Bingo

About

Pet Bingo allows students to visually learn and practice addition, subtraction, multiplication, and division!

Preparation

1. Check to make sure the Pet Bingo App has been downloaded onto the devices students will be using.
2. Become familiar with the App by playing a few levels.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Student masters lower skills such as addition and subtraction set by the teacher.

Cooking Time: Varies

Intermediate
Student masters mid-skills such as multiplication set by the teacher.

Cooking Time: Varies

Advanced
Student masters higher level skills such as division set by the teacher.

Cooking Time: Varies

Tech Tips

Steer kids to the level that will challenge without overwhelming them. Check the progress report for an area at which they're scoring in the 70th-80th percentile and focus their practice there.
PBS Kids

About

PBS Kids includes more than 25 games with popular PBS Kids characters that includes pattern and shape matching, racing, strategy, music, and more.

Preparation

1. Check to make sure the PBS Kids App has been downloaded onto the devices students will be using.
2. Become familiar with the many PBS Kids games before assigning to students to play.

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Use the SUPER WHY Lessons to have students learn letters, rhyming, and vocabulary.

Cooking Time: Varies

Intermediate
Use the Between the Lions Curriculum for beginner comprehensive literacy.

Cooking Time: Varies

Advanced
Visit Houston Public Library without leaving the classroom by using Library Time https://houstonpbs.pbslearningmedia.org/

Cooking Time: Varies

Tech Tips

PBS Kids games is a repository of games that engages students with math, science, creation, teamwork, music, nature, and reading. Most of the games must be downloaded on mobile devices to play.

Teacher Resources
www.pbskids.org/island/teachers/
Princess Fairy-Tale

About

Princess Fairy-Tale lets kids color and draw on themed scenes or create their own fairy tale visuals and audio stories about fairies and princesses.

Preparation

1. Check to make sure the Princess Fairy-Tale App has been downloaded onto the devices students will be using.
2. Become familiar with the App by playing various levels.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students use ready-made templates and fill them in with color and sparkles.

Cooking Time: 20 minutes

Intermediate
Students choose a scene or use their own photos, then choose from a variety of characters (such as princesses and ballerinas) and stickers (such as flowers and food).

Cooking Time: 15-20 minutes

Advanced
Students use various colors of pencils and crayons to write on scenes.

Cooking Time: 20 minutes

Tech Tips

Play along and be a character in the story.

Guide students as they create stories by asking questions and prompting them with plot elements.

Help students think outside the box and create inventive fairy tales.

Notes:

________________________________________________________________________
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About

QR Codes are the fastest and most user-friendly quick response readers used to share media using mobile devices or a computer.

Preparation

1. Check to make sure a QR Code Reader by Scan App has been downloaded onto the devices students will be using.
2. Print out and place QR codes in an area viewable and accessible to students.
3. QR codes can be generated at the Bit.ly website.

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPad
- Teacher Use

Appetizing Recipes

Beginner
Create a QR Code for your teacher website. Print the code to hang on your door and place in students’ take-home folders for easy access.

Cooking Time: 10 minutes

Intermediate
Create a QR Code that links to students’ created work from your Google Drive. Share QR codes with administrators and parents.

Cooking Time: 20 minutes

Advanced
Create a QR Code Scavenger Hunt. Place QR Codes around the classroom easily accessible to students.

Cooking Time: 30 minutes

Tech Tips

See Pinterest for QR Code lessons and activities.

QR Treasure Hunt Generator
http://www.classtools.net/QR/index.php
Ready Rosie

About

Ready Rosie is an interactive tool that provides daily activities for adults to do with children ages 1 to 6.

Preparation

1. Check to make sure the Ready Rosie App has been downloaded onto the devices students will be using.
2. Email parents an invitation to join Ready Rosie. Remind parents to check email to confirm subscription.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Watch a video and do the activity modeled in the video with students.

  Cooking Time: 30 minutes

Intermediate
Before going on a field trip, watch a video with students then complete the activity while on the field trip.

  Cooking Time: 30 minutes

Advanced
Have a family night where parents watch a video with students then complete the activity.

  Cooking Time: 30-45 minutes

Tech Tips

HISD Early Childhood Website
http://www.houstonisd.org/readyrosie
SeeSaw

About

SeeSaw is a digital portfolio that empowers students to independently document and showcase their learning.

Preparation

1. Check to make sure the SeeSaw App has been downloaded onto the devices students will be using.
2. Create teacher account at www.app.seesaw.me
3. Create and name classes. Manually enroll students into classes.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Create activities and record the instructions linked to the activity for students to use in self-directed learning.

Cooking Time: 30 minutes

Intermediate
Use the text feature to add prompts and emojis. Use the record feature to add a recording for those who may need additional support. Students will find the assignment in the Feed View and use the “The Three Magic Buttons” tab to copy and edit creating their own copy.

Cooking Time: 30 minutes

Advanced
Connect real-life situations to students learning experience by creating real-life examples and students label their own photos.

Cooking Time: 20 minutes

Tech Tips

Visit ideas.seesaw.me for:
- Pre-K Getting Started Guide
- Pre-K Student Challenge
- Pre K Task Cards

Notes:
About

Smarty Ants is an effective, research-driven solution that differentiates instruction and accelerates students on the path to foundational literacy – all in an engaging, interactive, learning environment.

Preparation

1. Check to make sure the Smarty Ants App has been downloaded onto the devices students will be using.
2. Become familiar with the data-driven platform.
3. Using the teacher dashboard, set up student accounts.

Ingredients

- Requires iOS 5.1.1 or later
- Compatible with iPad
- Serves Pre-K+

Appetizing Recipes

Beginner
Use the initial assessment to place students at the Appropriate level.

   **Cooking Time:** 30 minutes

Intermediate
Use jigsaw learning groups to have students teach each other skills they learned.

   **Cooking Time:** 30-60 minutes

Advanced
Have students create their own stories in class using the new skills they picked up while exploring in Reading World.

   **Cooking Time:** 30-60 minutes

Tech Tips

Jigsaw Learning Strategy
[www.jigsaw.org](http://www.jigsaw.org)

Browser and mobile App login are the same.

If the teacher dashboard does not load, enable JavaScript and refresh the webpage.
Square Panda Lagoon

About

Square Panda Lagoon uses a goofy chameleon with a love for dancing introduces children to letter sounds and phonics in a fun, exploratory way where any combination of letters (both nonsense words and real words) create a learning experience.

Preparation

1. Check to make sure the Square Panda Lagoon App has been downloaded onto the devices students will be using.
2. Familiarize yourself with the App by playing a few levels.

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPad
- Serves Pre-K+

Appetizing Recipes

Beginner
Student complete levels one through four with teacher guidance.

   Cooking Time: Varies

Intermediate
Student complete levels five through nine.

   Cooking Time: Varies

Advanced
Student complete levels ten through fourteen.

   Cooking Time: Varies

Tech Tips

Square Panda Lagoon App is compatible with the Square Panda Playset, students are amused and engaged while using Square Panda smart letters to hear their chameleon friend sound out any letter or word, even silly words! As students discover real words, a picture of the word will Appear and a celebratory funny dance will reinforce the learning!
About

*Starfall* is a website and mobile App which focuses on letter recognition, games, stories, and animations that showcase letter sounds, short reading selections that emphasize vocabulary and comprehension practices.

Preparation

1. Check to make sure the *Starfall* App has been downloaded onto the devices students will be using.
2. Review the Pre-K Teacher’s Guide [https://teach.starfall.com/lv/pre-k](https://teach.starfall.com/lv/pre-k) for planning.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPad, iPhone, and iPod
- Serves Pre-K+

Appetizing Recipes

**Beginner**
Students complete units 1 and 2.

  *Cooking Time: Varies*

**Intermediate**
Students complete units 3 and 4.

  *Cooking Time: Varies*

**Advanced**
Students complete units 5 through 7.

  *Cooking Time: Varies*

Tech Tips

Children's activities are available via a desktop browser at [www.starfall.com](http://www.starfall.com).

All essential activities for learning to read are free.

Complete access for all activities, including expanded math and reading content for K-2nd grade and additional songs and rhymes are available with membership.

Pre-K Teacher’s Guide [https://teach.starfall.com/lv/pre-k](https://teach.starfall.com/lv/pre-k)
About

Tiggly Chef Addition App helps students learn addition, and represent addition problems with drawings, verbal explanation, and math equations - while helping Chef prepare his signature Spicy Hula Monkey Cake, and over 40 other outrageous dishes.

Preparation

1. Check to make sure the Tiggly Chef Addition App has been downloaded onto the devices students will be using.
2. Become familiar with the App by playing a few levels before assigning to students.

Ingredients

- Requires iOS 8.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete activities in kitchen 1.
   
   **Cooking Time:** Varies

Intermediate
Students complete activities in kitchen 2.
   
   **Cooking Time:** Varies

Advanced
Students complete activities in kitchen 3.
   
   **Cooking Time:** Varies

Tech Tips

Students can also come up with their own instructions and math problems by designing custom recipes. They decide what ingredients they would like to add and how many of each ingredient is needed.

Notes:

The App is compatible with Tiggly Math Smart Toys. Tiggly toys can be used like real counting rods inspired by classic Cuisenaire rods used in Montessori classrooms – use the toys to take away extra ingredients and learn math in a more tactile way. The App is optimized to work with Tiggly toys but also offers a fun learning experience without the toys.
Toddler Counting 123

About

Toddler Counting 123 App makes counting easy as 1, 2, 3! Students will enjoy learning as they tap and count along with the game. Students will learn the names of their favorite animals, toys and more.

1. Check to make sure the Toddler Counting 123 App has been downloaded onto the devices students will be using.
2. Become familiar with the App by playing a few levels before assigning to students.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete lower levels as assigned by the teacher.

Cooking Time: Varies

Intermediate
Students complete mid-levels by counting toys, objects, or numbers.

Cooking Time: Varies

Advanced
Students complete higher levels by counting various objects and numbers.

Cooking Time: Varies

Tech Tips

Fully adjustable game settings and languages for accessibility.

More than 130 objects to count along to.
Word Wagon

About

Word Wagon is a fun, award-winning App teaching letters, phonics and spelling.

Preparation

1. Check to make sure the Word Wagon App has been downloaded onto the devices students will be using.
2. Become familiar with the words in each level in case a review is necessary before students get to a certain level.

Ingredients

- Requires iOS 6.0 or later
- Compatible with iPhone, iPad, and iPod
- Serves Pre-K+

Appetizing Recipes

Beginner
Students complete level 1: Letters - Learn the names of the letters.

Cooking Time: Varies

Intermediate
Students complete level 2: Phonics - Learn the sounds of the letters.

Cooking Time: Varies

Advanced
Students complete levels three and four.
- Level 3: Spelling I - Spell words up to 4 letters.
- Level 4: Spelling II - Spell words up to 6 letters.

Cooking Time: Varies

Tech Tips

Students can collect stickers. Earn colorful stickers for each word in a sticker book. Touch the animated stickers to hear funny sounds.

Students can earn stars. Use the stars to make different constellations, which are shaped like animals.
APPS that focus on...

Number sense, skip counting, shapes, colors, pattern recognition, addition and subtraction
- Endless Numbers
- Moose Math by Duck Duck Moose
- Numbers
- Pet Bingo
- Park Math HD

Letter recognition, phonics, and listening and handwriting skills
- ABC Mouse
- ABC Spanish Reading
- Endless Spanish
- Duck Duck Reading
- First Words Sampler
- Osmo Words
- Smarty Ants
- Square Panda Lagoon
- Starfall
- Word Wagon

Paying attention, following directions, logic, and memory
- Memory Match & Learn

Social skills such as getting along with others, empathy, self-awareness, and friendship building
- Ready Rosie
- Tiggly Chef Addition

Creativity and self-expression
- Chatterpix & Chatterpix Kids
- Clips
- Draw and Tell-Osmo Monster
- GarageBand
- iMovie
- Princess Fairy Tale

Everything (one-stop shop)
- Bitsboard
- Fish School HD
- Google Expeditions
- Keynote
- PBS Kids
- Pages
- SeeSaw
APPs by Learning Domain

**SOCIAL AND EMOTIONAL DEVELOPMENT DOMAIN**

- Osmo Monster
- PBS Kids
- Memory Match & Learn

**LANGUAGE AND COMMUNICATIONS DOMAIN**

- ChatterPix Kids
- Draw and Tell
- Bitsboard
- Duck Duck Reading
- PBS Kids
- Word Wagon HD
- Fish School HD
- Ready Rosie
- ChatterPix
- ABC Spanish
- Kids ABC ILW
- Endless Spanish

**EMERGENT LITERACY-READING DOMAIN**

- Draw and Tell
- Bitsboard
- Ready Rosie
- Duck Duck Reading
- ABC Mouse
- PBS Kids
- Word Wagon HD
- Princess Fairy Tale
- Smarty Ants
- First Words
- Starfall
- Fish School HD
- Osmo Words
- Square Panda Lagoon
- Kids ABC ILW

**SCIENCE DOMAIN**

- PBS Kids

**SOCIAL STUDIES DOMAIN**

- PBS Kids
- Ready Rosie
- Google Expeditions
EMERGENT LITERACY-WRITING DOMAIN

PBS Kids  Ready Rosie  Word Wagon HD  Kids ABC ILW

MATHEMATICS DOMAIN

Toddler Counting 123  Bitsboard  Tiggly Chef Addition  ABC Mouse

PBS Kids  Moose Math  Fish School HD  Ready Rosie  Pet Bingo

FINE ARTS DOMAIN

PBS Kids  Draw and Tell

PBS Kids  Draw and Tell

Osmo Tangram

MEMORY MATCH & LEARN

PHYSICAL DEVELOPMENT DOMAIN

Osmo Monster  PBS Kids

Osmo Tangram

TECHNOLOGY DOMAIN

ChatterPix  iMovie  Clever  Garageband  SeeSaw  Pages

QR Code by Scan  Keynote  Numbers  Clips  ChatterPix/ChatterPix Kids
Smashing APPS

**APP Smashing** is the process of using multiple APPs to create projects or complete tasks. APP Smashing can provide your students with creative and inspired ways to showcase their learning and allow you to assess their understanding and skills.

### All About ...

**Objective**
Students will create a short story about a topic or concept.

**The Task**
With your assistance, students will use ChatterPix to create their character and record their story, save their clips to the Camera Roll, then create a movie trailer using iMovie.

### Book Talk

**Objective**
Students will share their favorite book with others.

**The Task**
With your assistance, students will take a picture of the cover of their book, use ChatterPix to record the “talk”, save their clips to the Camera Roll, then post to SeeSaw.

### Field Trip

**Objective**
Students will share what they’ve learned from a recent field trip.

**The Task**
Students will draw a picture and tell about their experience using Draw and Tell, save their recording to the Camera Roll, then share with the class via projector or show and tell station.

---

**Tech Tip:** When APP smashing, try to use APPs that save back to the camera roll (photos and videos). The camera roll acts as the depot to transport the resources for the project in and out of the various APPs being used.

---

Allow students to use the Camera APP to scan QR codes for a digital journey around the classroom. Students can learn about different people, places, or things.
APP Smashing Tools

The power of APP Smashing is in leveraging APPs for students to draw, write, and speak their thought processes and understanding of a topic. Students will roll the dice or spin the wheel to determine which APPs they will use to create digital content.

APP Smashing Dice

The Process: Key Questions
1. What do you want to make?
2. How do you want the students to demonstrate what they know?
3. What APPs will allow students to create the product?
4. What APPs will work well together? Focus on importing and exporting.
5. Show and tell: How will students share/display their product?

Note: Use APPs that can save work to the camera roll. Saving work to the camera roll of devices makes it easy to smash content through importing it into other APPs.

*Templates available*
APP Smashing Dice Template
APP Spinner Template
Getting Started

1. Launch the Adobe Acrobat Reader App.
2. Swipe left three times.
3. Click Get Started.

Finding Files

1. In the My Documents view, Tap Local to view possible document locations.
   - **Recent**: Recently opened files
   - **Local**: PDFs on your device. Tap to find files by name or type.
   - **Document Cloud**: Files you’ve stored on Document Cloud. Tap to find files by name or type.
   - **Creative Cloud**: Files available through your paid subscription to Adobe Creative Cloud.
   - **Dropbox**: Files in any Dropbox account you have allowed Acrobat to access.
   - **Outbox**: A list of files recently uploaded to the cloud during the current session.

Moving Files

Be sure to create destination folder beforehand.

1. Open my Documents.
2. Tap Local or Document Cloud
   - On phones, tap ··· and then tap Select.
   - On tablets, tap ✓ in the upper right.
3. Select one or more files.
4. Tap .

Creating Folders

There are two ways to create folders.

1. Open my Documents.
2. Tap Local or Document Cloud
   - On phones, tap ··· and then tap Select.
   - On tablets, tap ✓ in the upper right.
3. Enter a name.
4. Tap Create folder.
Showing the menus

When viewing a PDF, tap the middle of the screen to show the tool bars. Menus are context sensitive. For example, an unsecured PDF with no bookmarks will not display the lock or bookmark icon.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Viewing/Reading Options" /></td>
<td><img src="image" alt="Comment Menu" /></td>
<td><img src="image" alt="Text Search" /></td>
<td><img src="image" alt="Share Menu" /></td>
</tr>
</tbody>
</table>

Switching Tools

Acrobat Reader provides an ever-growing and rich set of tools for interacting with PDFs, including tools for viewing, editing commenting, etc. Toolsets are available from the Tool Switcher. To open the Tool Switcher:

- Tap the tool icon in the upper left of any view.
- Swipe right from the left hand of your device.
Bitsboard is an amazing learning tool to absorb new facts and information in a fun new way.

Getting Started

1. Make sure Bitsboard is downloaded on iPads. If not, contact your school’s JAMF administrator to request download of Bitsboard.
2. Launch the Bitsboard App.
3. Click on the Joker icon located on top left corner to create account.
4. Click on the plus (+) icon labeled add user.
5. Click Add new user or existing user (if account is already created) and fill in the text boxes with the appropriate information. (Best to use your HISD email address).

Creating a Board

1. Click on the plus sign labeled add board to create a new board.
2. Click Create New Board.
3. Name board.
4. A new black card opens. Add the label (word, phrase, or sentence) such as "grapes."
5. Add media (pictures, recording, stickers, or text) using the tools on the right-side bar. Bitsboard will suggest images for your use. You can add photos from:
   - Photos from Library - access your photo albums
   - Camera - to take new photos
   - Search Bitsboard - to find great images from our catalog
   - Web Search - to find great images online
   - Facebook - to add photos from your Facebook account
   - Flickr - add photos from your Flickr account
   - Picasa - add photos from your Picasa account
   - Dropbox - add photos from your Dropbox account
6. Created boards will appear on the home screen. Click on the home icon located in top left corner.
7. Click on the desired board to choose a game to launch.
8. Choose game.
ChatterPix & ChatterKids allows students to add voice to a photo either imported or taken with the iPad by recording 30 seconds of audio. The app can import photos, add audio, apply filters, add text, and export video to the camera roll.

**ChatterKids does not allow students to share created work.**

**Before using Chatter Pix Kids**

- Check to make sure the Chatter Pix Kids App has been downloaded onto the devices your students will be using.
- Allow time for students to draw an illustration that connects to the lesson activity using paper, pencil, coloring tools, or using a drawing app on the iPad, or take a photo to be used with the app. (This can be a part of the center. Taking a photo will take less time than illustrating one.)
- Make sure the illustration/photo students will be using has been saved to the camera roll.

**Create a Student Product**

1. Launch app.
   a. **Take Photo Button**: launches the iPad camera. If asked to allow access to the camera and microphone, select yes.
   b. **Gallery Button**: launches the gallery of saved student work and examples created by Chatter Pix Kids.
2. Choose **Take Photo**.
3. Take a live photo or choose from camera roll. Tap the bottom left square to access the camera roll.
4. Tap on photo to use and select **“Next.”**
   a. **Camera Button**: captures subject
   b. **Camera Roll**: select a photo from the camera roll of saved photos on iPad.
   c. **Switch Camera**: switch from front facing and rear-facing camera modes.
5. Draw a line where the mouth should appear.
   a. Tap the red record button to record your voice. Tap **“Next.”**
(Tap the record button to re-record).

b. Count down from 3 – 2 – 1.
c. Record for up to 30 seconds.
d. Press the microphone again to stop recording.
e. Press the green play button (triangle) to listen to the recording.
f. Press Next.

2. Add filter, stickers, frames or text as needed.

a. Filter - scroll across to view additional filters, tap the filter of your preference.

b. Sticker - scroll across to view additional stickers, tap the sticker of your preference.

c. Frame - scroll across to view additional frames, tap the frame of your preference.

d. Text - Scroll across to view additional text fonts, tap the font of your preference. Tap the text box, type your message and select a color, drag to the proper place. Use the Red trash can to drag any text or stickers you do not want to appear in the saved product.
7. Click the play button to preview audio.
8. Delete or save to camera roll. Tap the iPad icon with arrow to save camera roll.
9. Image will now be in your camera roll to share or export into other apps.
Three steps to easy access

**Step 1**
Each student gets a personalized Clever Badge with a QR Code.

**Step 2**
Students hold their Clever Badge up to their device’s webcam.

**Step 3**
Students instantly get access to all their learning applications on Clever — no typing required.

*Clever badges do not log students into HISDs network*

Setting up Clever Badges for Classroom

1. Log in to HISD HUB and click on Digital Resources or go to [www.houstonisd.org/digitalresources](http://www.houstonisd.org/digitalresources). If on a mobile device launch the Clever app.
2. Once logged into Clever, click **Students**.
3. Click **Print Class Set of Badges**.
4. Select desired section, and click **Print** to download a class set of Badges.

Troubleshooting Clever Badge Issues

If a student’s badge is lost, stolen, or compromised in any way, you can void or print new badges on an individual student basis.

1. Log in to HISD HUB and click on Digital Resources or go to [www.houstonisd.org/digitalresources](http://www.houstonisd.org/digitalresources). If on a mobile device launch the Clever app.
2. Once logged into Clever, Click **Students**.
3. Click on the student’s name and a pop-up window will appear that gives the option to either re-print an identical badge or void it completely (Once voided, you may print a new QR Code).
Getting Started

1. Launch the **Clips** App.
2. Click **Get Started**.

Start a New Project

Clips organizes videos into projects. Each project will have its own clip stream. Projects are editable at any time.

1. Tap the **Projects** button (looks like folders) at the top left corner.
2. Tap **Create New**, + sign, or choose existing video.

Record a Video

1. Tap **Camera Chooser** button to switch between front view (selfie) and back view cameras.
2. Touch and hold on the **Video** tab, center red button, beneath the words Camera, Library, and Posters.
3. Pinch on the live view to zoom in or out while recording.
4. Let go when done.

*NOTE:* Clips uses front mic for selfies and the back mic for the back-facing camera. So, when not shooting using the front facing camera, speak up.

Take a Photo

Think of Photos of static video in Clips. You don’t choose your shot, you choose how long to hold on your shot as well.

1. Tap the **Shutter** button.
3. Touch and Hold to Add This Photo to insert the photo as a clip. (hold for at least one second).
4. Pinch or Swipe on the live view to zoom in or out or pan while inserting.
5. Let go when you’re done.

*NOTE:* When you are done recording, you can record more video or edit the video you just shot.

Insert Existing Photos and Video

1. Tap the **Library** tab, located beneath live view.
2. Tap on the **Albums** button, top right to switch albums.
3. Tap the photo or video you want to insert.
4. Tap the center red button to record audio. Photo will automatically be added to the video.

**Move and Rearrange Clips**

1. Touch and hold the **Clip** you want to move. *Clips are located at the bottom of screen next to the play button.*
2. Drag the **Clip** to its new position.
3. Let go.
4. Made a mistake? Repeat the process until the Clip is in the correct spot.

**Trim a Clip**

1. Tap the **Clip** you want to trim.
2. Tap **Edit** button, the scissors.
3. Drag the left or right **Trim** control to remove video from the beginning or end.
4. Tap **Apply** to finish.

**Delete a Clip**

1. Tap the **Clip** you want to trash.
2. Tap the **Delete** button, the trash can.
3. Tap **Delete Clip** to confirm.

**Delete a Whole project**

1. Tap the **Projects** button. Recall, it’s at the top left corner.
2. Touch and hold any of your projects until they go into delete mode.
3. Tap the **Delete** button.
4. Tap **Delete Video** to confirm.
Getting Started

1. Launch Garageband App.
2. Click Continue.
3. Choose an instrument by swiping left to right. Tap on the instrument to select.
4. Depending on the instrument, there may be different settings and options in the toolbar.
5. To switch instruments, tap the button next to My Songs.
6. Play the instrument by tapping on the chords or tapping the keys.
7. Use the settings, or track icon, to adjust the level or octaves.

Record Instrument

1. Tap Record in the top menu.
2. Play the instrument as it records.
3. Tap Play when done.
4. The recording appears below the menu.

Edit Recording

1. Tap the track button, in the top toolbar.
2. Double tap on the track for the editing menu.
3. Choose to split or loop.
4. Tap Edit for additional editing options. Tap Done to return to the main track.
Add Instruments

1. Tap the + button to add an instrument/track. Follow the direction above to record.
2. Note the cursor under the toolbar. The music/recording starts where the cursor is placed.
3. Tap the track button, to view all tracks.

Save

1. Tap My Songs in the toolbar.
2. The song will appear in the main menu with a generic name, My Song.
3. Tap and hold on the song name. Rename the song.
4. Tap Done.

Share

1. From My Songs, tap and hold on song name.
2. From the menu bar, tap Share.
3. Choose a format (song, ringtone, or project).
4. Choose audio quality, if prompted, then tap Share in top right corner.
5. Choose app to import the song (Your HISD Google Drive is recommended).
QR Code refers to a matrix barcode directing users to a web page, file, text, image, or other media. Using a mobile device or a computer with a web cam and QR Code app, users scan the code and the media appears on the device.

**Getting Started**

Create a QR Code using a mobile device or computer. Go QR is the recommended site.

1. Go to [https://goqr.me/#t=url](https://goqr.me/#t=url)
2. Choose Type of data the QR Code will contain.
3. Enter the data in the Contents field.
4. Click Live Preview.
5. Choose whether to download or embed QR Code.

**Scan QR Code**

**Mobile Devices/iPads**

1. Launch App
2. If prompted to give permission to use camera, select allow.
3. Place QR Code in front of camera
4. Once QR code is recognized, media will appear.

**Computers**

1. Go to [www.the-qrcode-generator.com/scan](http://www.the-qrcode-generator.com/scan)
2. Hold QR Code up to camera
3. Once image is recognized, media will appear.
Before you begin, you will need a Google Account. All HISD employees and students have a HISD Google account. To learn how to sign in to chrome using your HISD credentials visit [Google Drive](#).

**What is Google Cardboard?**

Google Cardboard is a virtual reality platform developed by Google for use with a head mount for a smartphone. Google Cardboard is used in conjunction with virtual reality apps, such as Google Expeditions, to allow users to view VR in a fun and simple way.

**Getting Started**

1. Download the *Google Cardboard* app from Self Service, found on all HISD assigned iPads. On non-HISD devices (iPads and mobile phones) the app must be downloaded from the App store (Apple devices) or Play store (Android devices).
2. On an HISD iPad, locate the *Self Service* pre-installed icon.

**Download Google Cardboard**

1. Launch the Self-Service app.
2. Locate the Google Cardboard App.

Note: If the Google Cardboard app is not in the *Self-Service* folder on HISDs iPads, contact the campus technologist to request the app be added to the Self Service.

3. Tap the Google Cardboard icon.

![On Android Devices](image)

4. Tap Install.
Getting Started

1. Launch the Google Expeditions App.
2. Accept the terms the first time you open the app.

Teachers

1. Tap **Guide** in the top corner.
2. Tap **Lead**.
3. If you are not logged into Google Drive, you will be prompted to enter your email address and password. You may need to enter your **HISD email address** twice.
4. Tap **Guide** and **Lead** again, if prompted back to the main screen.
5. Scroll through the provided tours or tap the search icon in the top, right corner. Use the categories or use keywords to narrow your search.
6. Tap the image of a provided tour to select.
7. The item will download.
8. Tap again to launch the session.
9. Tap **Play**.
10. Students should be able to view the selected tour (directions for students are listed below).
11. The **people** icon in the top right corner shows the numbers of students connected.
12. A guide appears with text.
13. At the bottom of the guide are specific points of interest. Tap the areas and an arrow will appear on the student’s devices directing to the specific spot.
14. Swipe down at any time to move the text and view the image. Swipe up to view.
15. Tap **Pause** to stop the tour and redirect students. The student device will show a **pause** icon.
16. Multiple scenes for the expedition are available by swiping left or right.
17. Tap the **X** in the top left corner at any time to Exit. Student devices will exit as well.
Tips:

1. Choose expedition and download before using with students.
2. If using a shared cart of devices, provide time for students to log into the devices using their HISD email address.
3. Make sure all devices are on the same WIFI or Router.

Students

1. Launch the Google Expeditions App.
2. Accept the terms the first time you open the app.
3. Tap Guide in the top corner.
4. Choose Follow.
5. Student’s should see teacher’s name.
6. Tap Join.
7. Enter the expedition. Move your device left, right, up and down to view all angles.
8. If you see an arrow on the screen, move the device to follow the arrow.

A bullseye, ☮️ appears when you reach the location.

9. When the teacher exits the expedition, your device will exit as well.

Log Out:

1. Log out by tapping the three lines in the top left corner.
2. Tap the drop-down arrow next to your email.
3. Choose manage accounts.
4. Tap your email address.
5. Tap Remove account.
Create a New iMovie

1. First select Projects or Theater, then tap the plus (+) in the upper right corner.

2. Select the type of project (Movie or Trailer)
3. Select from the templates given. You may select the play ( ○ ) button to see a preview of the template.
4. Tap create once you have made your selection.

Working with Movies in iMovie

1. There are 3 options across the top for the type of media you can add to your movie (video, photos, and audio)
2. When you select Video or Photos, it will allow you to browse through your camera roll by selecting All or Recently Added.
3. Locate the Video or Photo that you want and tap it to add it to your movie. With videos you will have to select the down arrow to add it. You can also play a preview before adding a video.
4. Once added there will be 3 options at the bottom.
Editing Video in iMovie

1. Once you add a video, to edit it tap on it once.
2. You will now have a range of options:
   a. Scissors: trim the video
   b. Speedometer: speed up/slow down
   c. Sound: change volume
   d. Text: add text to video clip
   e. Filters: add color filters to video

3. You also have extra options to detach, duplicate, or delete the video clip.

4. Anytime you make a mistake, you can tap undo to go back as many steps as you need to.

Adding & Editing Audio in iMovie

1. To add audio, tap the audio tab and choose from the list of options. (Theme Music or Sound Effects are your best choices; if you have recorded yourself, there will also be an option named Recordings in the list.)

2. Once you have made your selection, the audio will appear underneath your video or photo.
Adding/Editing Audio in iMovie cont.

1. Once you have added audio, you will be able to edit it in a similar manner.
2. To edit, tap the audio clip and the following options will appear at the bottom: scissors for trimming, speedometer for speed, and sound icon for adjusting the volume and fading.

3. You also have the option to play the audio in the foreground or background, or delete it.

iMovie Editing Tools

Use the scissors tool to trim your video, photo, or audio by tapping and dragging the yellow bars.

Up or slow down video or audio.

Use the T (text) tool to add text to your video or photo. (Note: the text will appear on top of the video/photo)
More iMovie Editing Tools

Use the sound icon to adjust the volume of video or audio clips. You also have the option to fade audio clips with this tool.

Use filter icon to apply different filters to video or photo clips.

Working with Trailers

1. Once you have selected a template, you can begin adding pictures, video, and text to your trailer. **Note:** Most editing features for trailers are disabled on the iPad. You will have to use the template as is.
2. Select the Outline tab to edit the movie title and credits. Simply tap on the text you want to change to edit it.

3. Tap on the Storyboard tab to add photos or video to your trailer.
More Working with Trailers in iMovie

4. To edit text, tap the text you want to edit, and a text box will appear. You will also see a preview to the right of what the text will look like.

5. To add photos or video, tap one of the scenes and you will see 3 options on the right side of the screen: Video, Photos, & Camera. Videos and Photos will come from your camera roll, while Camera will allow you to record live video.

Editing Options

Remember, editing options are few when working with trailers, but there are a couple of things you can do.

1. Tap the photo or video you want to edit. You can drag to position or pinch to zoom your video or photo at starting/ending position.

Saving Movie or Trailer

1. Each iMovie you create is automatically saved in iMovie. To rename your movie and view sharing or editing options, tap the back arrow at the top of your screen. You will come to a screen like the one seen below.
Getting Started

1. Launch the Keynote App.
2. Click continue.
3. Choose whether to Create a Presentation or go to My Presentations.

Create a Presentation

To create a Keynote presentation, you first choose a theme, a set of predesigned slide layouts used as a starting point.

1. After choosing a theme, you can change the layout by tapping on tap Master, then tap a layout of your choosing. *Keep in mind, each slide layout is a master slide you use as a starting point for your content.*
2. Do any of the following to build your presentation:
   - **Add a slide:** In the slide navigator, tap the slide you want the new slide to follow, tap +, then tap a layout. If you don’t see the slide navigator, pinch closed on the screen to zoom out.
   - **Add text:** Double-tap placeholder text to add your own.
   - **Add an image:** Tap + located at top right corner to replace placeholder images with your own.

Play a Presentation

1. To play a presentation, tap then tap a slide to go to the next slide.
2. To end the presentation, pinch closed anywhere on the screen.
3. To close the presentation, tap Presentations or < in the top-left corner of the screen.
4. Presentations are saved automatically as you work so if you close the presentation before you are finish editing, no worries.
Getting Started

1. Launch the Numbers App.
2. Click continue.
3. Choose whether to Create a Spreadsheet or go to My Spreadsheet.

Create a Spreadsheet

To create a Numbers spreadsheet, start with either a blank template, to which you can add tables, charts, text, and other objects, or a predesigned template that has placeholder elements, including text and images.

1. In the spreadsheet manager, tap + at the top of the screen to open the template chooser.
2. To include a table or chart data in your spreadsheet that’s formatted according to the conventions of another geographic region, tap the language in the top-right corner, then choose another language.
3. Tap a spreadsheet template.
4. Do one of the following to customize spreadsheet:
   o Tap a table cell to delete placeholder content and add your own content.
   o Tap + in the toolbar to add other tables, text boxes, shapes, and images.
   o Arrange the sheet by dragging tables and objects to where you want them.
5. Spreadsheets are saved automatically as you work.
Create an Account

1. Launch Monster App.
2. Fill in the appropriate fill boxes with your name and HISD email address.
3. Click Next.
4. Create a password and check box to agree to the terms of service. (It’s ok, Ed Tech read it for you).
5. Click Next.
6. Indicate where you plan to use Osmo Monster (home, school, etc.).
7. Click Next.
8. Select which bases and games you have a license to use.

Create Student Profiles

1. Select an avatar for student.
2. Complete the fill boxes with the appropriate information (student nickname and date of birth).
3. Choose whether to create another student profile.
4. Select where the Osmo was purchased.

Activate Account

5. Check you HISD email to activate account. You will receive a code to use when you log in various devices. Keep code in a safe place.
6. Click continue the iPad after account verification.
7. Grant Monster permission to use camera feature.

Download Games

1. On your iPad, launch Safari and navigate to: www.playsosmo.com/start.

Launch Games

1. Follow the steps within the games to set up your iPad with base.
Osmo Monster

Object of Game

The goal of Monster is to help Mo create his world and play with Mo with drawings. You can help Mo create his house, go on an adventure with him, or be Mo’s assistant in a magic show.

Mo’s House

Mo’s house is the starting point each time you enter the game from the main menu. Within Mo’s house there are 5 rooms. Bedroom, Adventure Room, Magic Show Room, Kitchen, and Bathroom. Within each of these rooms the player can engage with Mo on either a decoration action and a play action. Rooms can be navigated using the buttons and arrows on the bottom of the screen.

Magic Show

Within the Magic Show Room, you can engage with Mo on uniquely created magic show using your drawings. Each show changes based on what Mo asks for and what tricks Mo does. After completion, shows are saved to your Gallery, accessible via the title screen.

Grand Adventure

Within the Adventure Room you can use the door to Mo’s house to go on a variety of adventures with Mo. Each adventure changes based on what Mo asks for and where Mo goes. After completion, adventures are saved to your Gallery, accessible via the title screen.

The Gallery

The Gallery is a list of the previous Magic Shows and Grand Adventures that you’ve done with Mo. These can be revisited at any time from the main menu and pressing the “Play” button. Additionally, a copy of the same story but with new drawings can be created by pressing the “Pencil” icon from within the Gallery.

Menu Navigation

- **Start Game**
  - Tap the Play button from the title screen.
- **Re-watch a previous adventure or magic show story**
  - Tap the Gallery button from the title screen.
- **Starting a magic show**
  - Tap the Play button from the title screen.
Osmo Monster

- Tap the icon.

- **Go on an adventure**
  - Tap the Play button from the title screen.
  - Tap the icon.

- **Edit a previously made drawing**
  - Tap the icon while the desired drawing to be edited is onscreen.
  - Tap the icon to open a redraw screen.
  - Make a new drawing.
  - Tap the icon to capture it for Mo.
  - Close screen and continue the game.
Getting Started

1. Launch the Pages App.
2. Click continue.
3. Choose whether to Create a Document or go to My Documents.

Create a Document

To create a Page document, you first choose a theme to use as a starting point, then make modifications:

1. If you just want to start typing, choose a Blank template.
2. If you want to create a brochure or something with a more challenging, choose one of the templates with the placeholder text and graphics.
   - Tap placeholder text, then type your own.
   - Tap + in the lower-right corner of a placeholder image to replace it with your own.
3. To add tables, charts, text boxes, shapes, lines, and media to your document, tap +, then tap one of the object buttons.

💡 Tip: To undo recent changes, tap at the top of the screen. If you change your mind, touch and hold, then tap Redo.
4. When you are finished, tap Documents or < to close the document and return to the document manager. Documents are saved automatically as you work.

Open a Document

1. Tap the document thumbnail in the document manager. If one document is already opened, return to the document manager by tapping Documents in the toolbar.

Import a Document

Before you can import a document, you must first add it to iTunes or a WebDAV server.

1. Tap + in the toolbar on the document manager.
2. Tap Copy from iTunes or Copy from WebDAV, then follow the prompts.
Getting started

2. PBS Kids does not require a login.

PBS Kids Videos

3. Click on the Videos button.

4. The video player page will open.
5. On the right, you will see the character(s) that have videos.
6. You can use the down (and up) arrows to scroll through the character list.

7. Click and drag the tab to the left.
8. You will now see videos for the selected character.
9. Click on a video to play in the video player.
PBS Kids Games

10. Click on the Games button.
11. The Games page will open.

12. Scroll down to see the full list of available games.
13. Click on a tile to launch a game.

14. You can also look for games by character.
15. Scroll left or right to move through the characters.
16. Click on a character to launch the games available for that character.
Getting Started with SeeSaw

SeeSaw is a digital app for students to create digital portfolios and document what they are learning at school. They can display what they’ve learned using photos, videos, drawings, text, PDFs and links. You can also import directly from Google apps.

Create a Teacher Account

1. Create a teacher account at www.app.seesaw.me to download the Seesaw Class app. Select “I’m a teacher” to get started.

2. Create your class and give it a name and grade level. You may manually enter students into your class and then click for a QR code for students to download the Seesaw app and scan (recommended for students 3rd grade and under who are sharing devices), or, you can get a class code for students to sign in with their HISD email address and then enter the code to join the class (if they have 1:1 devices). When joining the class, remind students to click “I’m a student”, or they cannot join the class. You can change how students sign in to your class by clicking on the wrench icon at the top right of the screen. Options include:

   a. Class Code Sign In: Designed for young learners (PreK-3) and shared devices. No usernames/passwords are required.
   b. Email / Google Sign In: Designed for students who can remember email addresses and passwords.
   c. Students can see each other’s work: Decide if students can see other students’ journals in your class.
   d. Student likes and comments: Decide if students can like or comment on posts. Many teachers decide to turn this ON after they have been using Seesaw for a few weeks.

1. The default setting is that students can click to contribute content, but nothing is viewable until it is approved by the teacher. This can be changed in settings. If enabled, make sure to review content frequently for students to see their posts.

2. After getting comfortable with Seesaw, you can also invite families to view their child’s work. Seesaw also offers a SeeSaw Roll Out Plan.
Resource Pantry

Visit the websites below for an array of digital resources that will lend to the perfect recipe for classroom success!

**Early Childhood Website**
http://www.houstonisd.org/Page/126062

**Ed Tech Website**
http://www.houstonisd.org/edtech

**HISD App Toolbox**
http://www.houstonisd.org/Apptoolbox

**Tools for Tasks**
http://www.houstonisd.org/Page/167627

**Ed Tech Tips & Tricks**
http://www.houstonisd.org/Page/167359

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Twitter: @HISDEdtech

Websites: houstonisd.org/EdTech
         houstonisd.org/AppToolbox
         houstonisd.org/edtechpd