Connecting the

D O T S

in 21st Century Education:

using **D**IGITAL

ORGANIZATIONAL

TOOLS

to simplify **D**ATA

ORIENTED

TEACHING

Missouri Music Educators Association State Conference
January 2015
Bridget Zimmermann & Angie Kelton

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Bios

Bridget Zimmermann

BRIDGET ZIMMERMANN has been the general music teacher at Barretts Elementary in the Parkway School District in St. Louis, MO since 1999. Mrs. Zimmermann graduated from Truman State University with a Bachelor of Arts (B.A.) in Vocal Music and a Master of Arts in Education (M.A.E.). Mrs. Zimmermann has performed as a member of the Robert Shaw Chorale and previously directed choral ensembles at Washington University. Mrs. Zimmermann was a director of the Kirkwood Children's Chorale for 10 years and directed the choirs abroad in England, Hawaii, and China. She holds Level I and II certification in the Orff Approach and has studied choral conducting with internationally known conductor and teacher, Mr. Henry Leck. Mrs. Zimmermann is also certified in World Music Drumming Level I and has studied jazz with international clinician, Doug Goodkin.

Mrs. Zimmermann is the past-president of the St. Louis American Orff Schulwerk Association and chaired the Children's Performances Committee for the National AOSA Conference in St. Louis in 2012. She is a member of the American Orff Schulwerk Association, St. Louis American Orff Schulwerk Association, Missouri Music Educators Association, and NAfME--the National Association for Music Education. Mrs. Zimmermann was selected as the Barretts Teacher of the Year in 2004. In 2013 she was named a quarterfinalist for the first-ever Grammy Educator award. Mrs. Zimmermann received National Board for Professional Teaching Standards Certification in Music Early/Middle Childhood in 2013.

Angie Kelton

Angie Kelton has worked for the Mehlville School District (St. Louis, MO) as a traveling K-5 general music teacher for the past 9 years. She typically travels between 3-4 schools during any given year and has worked at 7 of the 10 elementary schools in her district at one time or another. Mrs. Kelton graduated from Illinois State University with a Bachelors in Music Education (BME) and she holds Level I Orff Certification. She is currently working on a Masters in Educational Technology (MET) at Webster University in St. Louis.

Mrs. Kelton has presented workshops for the Mehlville School District, St. Louis Chapter of AOSA, and Illinois Music Educators Association. She served as the local conference committee chair for Signs & Certificates at the AOSA National Conference in 2012. Mrs. Kelton has served as the St. Louis AOSA Chapter's webmaster since 2009. In her free time, she also runs a blog at iheartteachingmusic.com.

Idoceo Gradebook App

version 3.1

A highly customizable gradebook program

General info:

- Website: www.idoceo.net

- Price: $7.99

- Available through the iTunes store

- For iPads only

- Highly customizable

- Easy to use - most functions require either a double tap (short) or tap & hold (long) gesture to use

- Can be password protected

- Can export info as PDF, MS Excel files, etc.

- Able to sync with Dropbox, Google Drive, etc. to back-up files

- Online instructions & support forum available free of charge

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Key Features:

CLASS LIST

- Add new classes
- Rearrange class order
- Search for specific students
- Make old classes invisible - focus on current year's classes without losing prior years' data
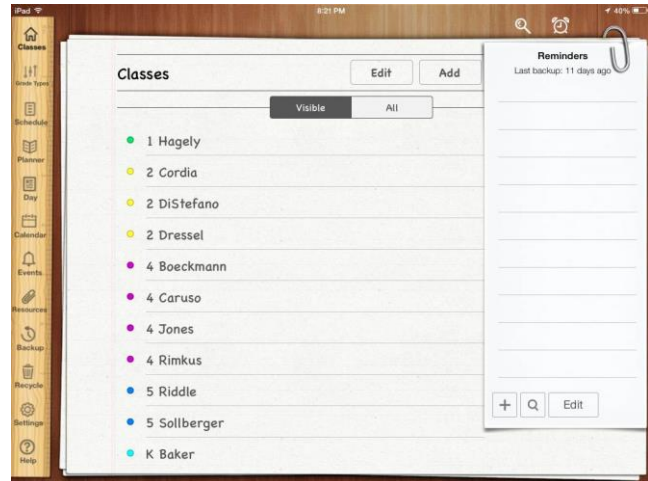
CALENDAR

- Links schedule, planner, and different class diaries
- Add holidays, define classes scheduled for each school term
- Easily copy a single week or cycle
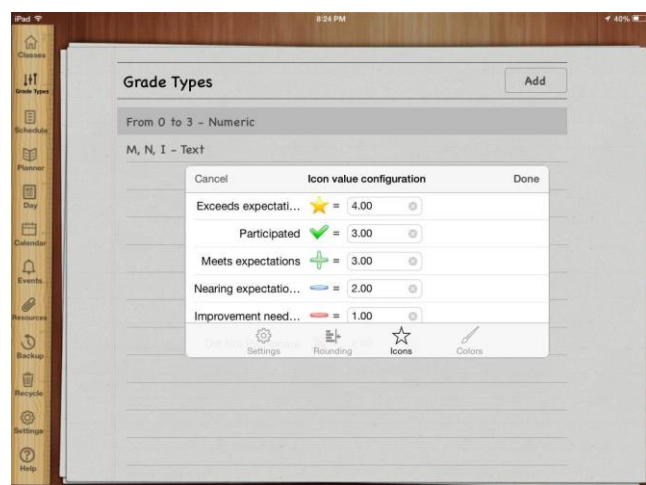- Specialize schedule for certain days (early release, late start, etc.)

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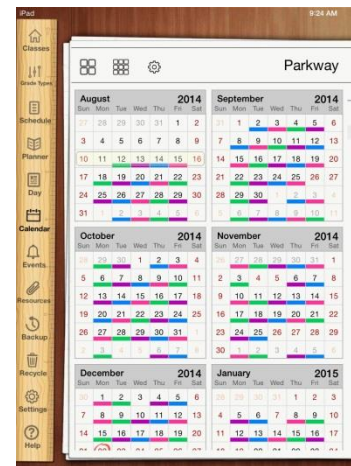
SCHEDULE

- Set class periods to match your school day
- Add classes (from class list) to your schedule
- Color-code different grades or sections, if desired
- Clicking on class in schedule view brings up gradebook for that class

GRADE TYPES

- Many different grade types come pre-installed
- Easy to customize existing grade types
- Easy to add your own and/or delete those not needed
- Configure your own grades, either with text, numbers, icons, or a combination of them all

GRADEBOOK

- Add new students individually or import from a CSV or XLS file
- Sort students by first name or last name
- Add detailed contact information to each student, if desired
- Include student photos, audio, and video files
- Create columns for assignments & customize name, date given, column width, column color, type of grade input, type of grade output
- Use text, numbers, colors, or icons to input & represent grades
- Assign detailed annotations (comments) for each student and each grade given
- Average specific columns for cumulative assignments & end of term grades
- Create separate tabs for multiple gradebooks in each class (term/semester, special assignments, behavior, recorder, etc.)
- Import grades from one tab to another tab within the same class or to another class

SEATING CHART
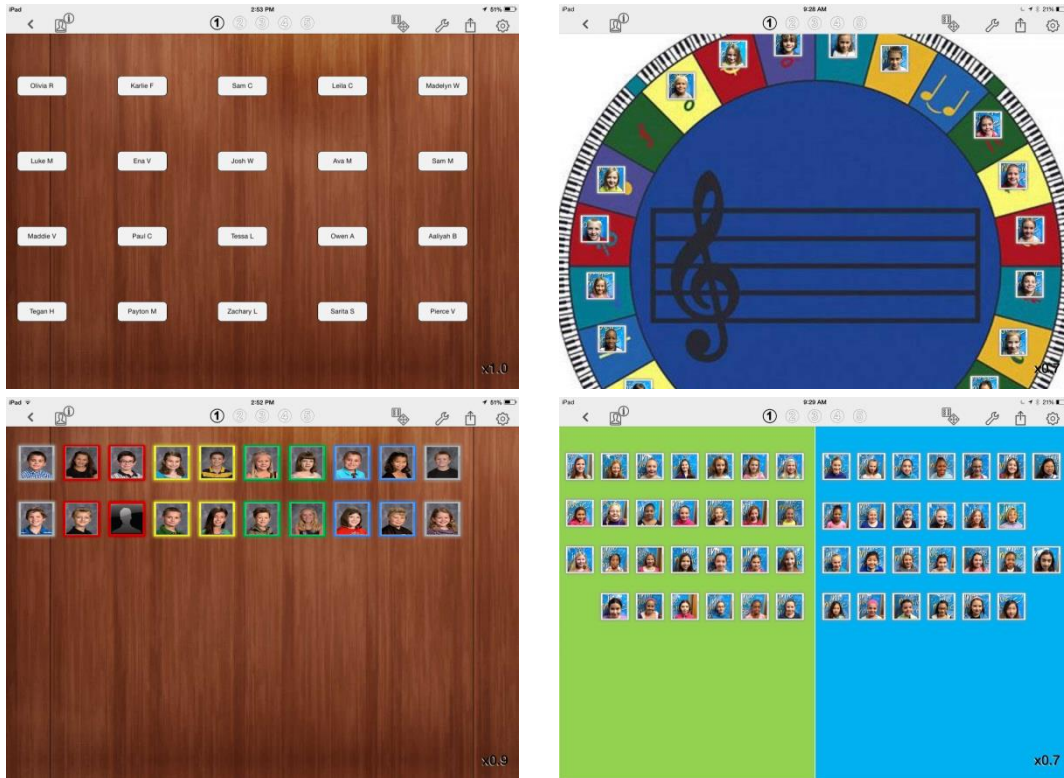
- Up to 5 different seating charts for each class
- Option to add student pictures (import or take pictures through the app using the iPad camera)
- Student pictures linked to gradebook - can enter grades directly from seating chart
- Zoom or pan to see all students
- Color-code students based on seating, ability level, etc.
- Random student selector (dice)
- Ability to randomize seating plan (great for creating new seating charts later in the year)
- Ability to reset by 2s or 3s (great for partners and small groups)
- Seating charts can be exported as PDF's - can print out and leave for sub

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PLANNER

- Digital planner displayed like a traditional paper planner
- Must have schedule set up in order to use - each section in planner is attached to a class or class period
- Add calendar events to the planner - automatically connects to iCal calendar app
- Able to copy and paste plans from one class to another
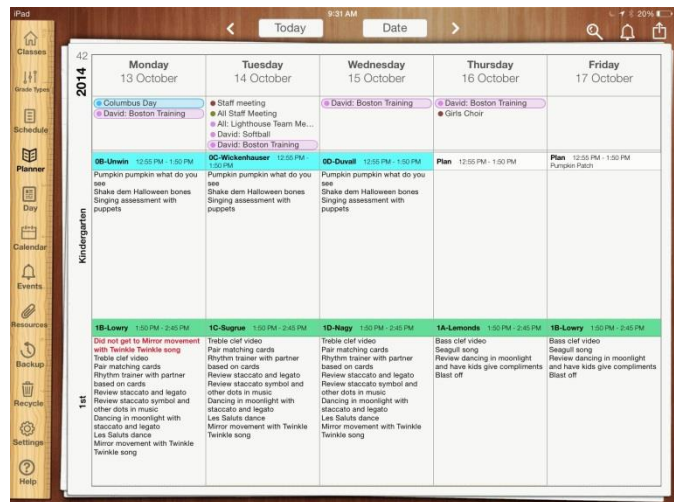
DIARY

- Only accessible though the gradebook (tabs along bottom)
- Connects to planner - does everything the planner does, but allows you to focus on the sequence of one class at a time
- Add notes for each day of class - lesson plans, reminder notes, reflections on outcome of lesson, etc.
- Daily, weekly, monthly, sequence and planner views

RESOURCES

- Ability to attach files to class, student, gradebook column, and/or gradebook cell
- Files can include photos, audio clips, videos, PDF's, URL links, etc.
- Files can be inserted from the Resources tab, but also from within the gradebook itself
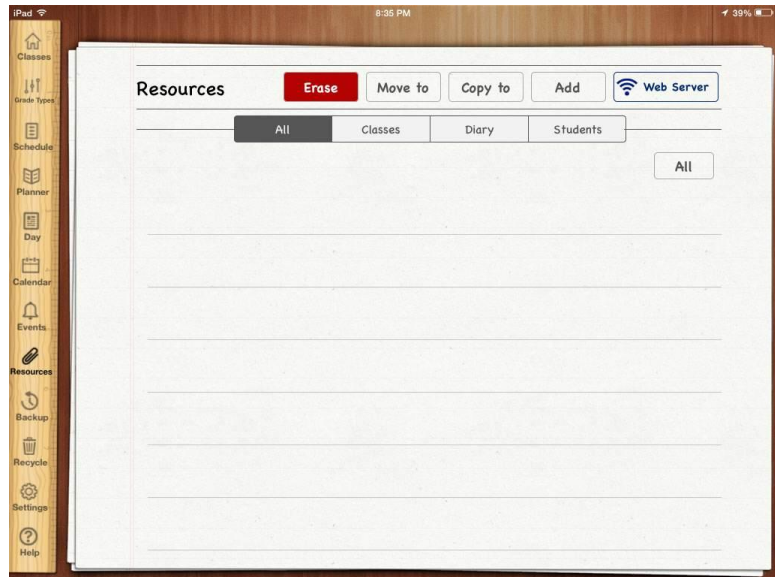
BULLETIN BOARD

- Digital bulletin board
- Only accessible through the gradebook (little thumb tack icon)
- Useful to visually organize class resources

Other Useful Ipad Apps

Purpose	App	Description	Price
Creating	Delirium Free	Music visualizer. Watch the swarm of colored lights dance across the screen or touch and control them with your finger.	Free
Creating	Sketch-a-Song	This app brings music composition to life for students of all ages. Colorful, intuitive interface makes it fun and easy for anyone to make music in seconds.	$0.99
Creating	Sound Brush	Create full featured songs by drawing, as SoundBrush converts the lines into musical notes.	Free
Creating	SoundoScope	A microscope for sounds. Record tones and noises then play them back. Analyze sound waves in detail. Change tempo, dynamics, and add special effects. You can even play sounds in reverse!	Free (offers in-app purchases)
Creating	Tune Out	Play music from your music library and tap along on your iPad to create a great percussion soundtrack with visual appeal.	Free
Creating	Garageband	GarageBand turns your iPad, iPhone, and iPod touch into a collection of Touch Instruments and a full-featured recording studio — so you can make music anywhere you go. Uses: Use the virtual instruments to add to your acoustic ensemble or have your students create and record music. In addition, if you have more than one device, have your students jam together.	$4.99

Purpose	App	Description	Price
Creating	O-Generator Acoustic Music Maker	O-Generator Music Maker is an app that can be used as a musical sketchpad to compose, learn, create and develop ideas in different styles. Uses: Have the students create an acoustic background accompaniment with O-Generator Acoustic Music Maker and then use rhythm patterns and rhythm instruments to play along with the accompaniment.	$1.99
Creating	Pitch Painter by Morton Subotnick	Pitch Painter is a musical finger painting app that is simple yet surprisingly sophisticated. While engaged in creative musical play, the child will be introduced to a variety of musical instrumental sounds and authentic scale tunings from four regions of the world. Uses: Great app for young students to "draw" melodies and to have students experience sounds of world instruments.	$2.99
Creating	Songify	Speak into your device, and Songify will turn your speech into a song. Uses: Have your students write lyrics or a poem and record it into Songify, which will turn it into an auto-tuned song.	$2.99
Creating	Tune Train	TuneTrain is a music creation app, where kids can quickly create and edit melodies through a fun line drawing mechanic. The universe of TuneTrain is completely governed by musical rules. The various heights that people live at represent different pitches; the distance between people represent note lengths; and even the buildings show the underlying chord structure that best accompanies a melody.	Free

Purpose	App	Description	Price
Creating	VidRhythm	Video-sample yourself, your friends, your pets, anything, and watch VidRhythm instantly mash it up into a crazy video remix.	Free
Creating Music & Ear Training	Pentatonic Puppy	Pentatonic Puppy is not just a piano app - it has 4 different modes: Free Play, Blues Puppy, Ear Trainer, Learn A Song - Comes with 6 different songs - plays the song for you so that you can learn by ear or displays the letter names so you can play by reading.	$0.99
Ear Training	Beat the Melody	This fun game teaches students to play melodies using only their ear training to understand pitch relationships. Based on scientific methods to improve pitch and tone recognition. Uses: excellent way to challenge your piano students who know how to read music but cannot play by ear. Useful for all ages.	Free (offers in-app purchases)
Ear Training	Blob Chorus Ear Training	The aim of the game is to identify the blob that sang the same note as king blob. It's more difficult than it sounds but if things do get too easy for your child you can increase the size of the choir. Train your musical ear with this wonderful game! This resource will improve your child's ability to pick out a note from a sequence.	Free
Ear Training	HearItNoteIt	Original and addictive music puzzle game for beginners to experts. Listen to the notes, remember them and then write them with the simple drag and drop interface. It will vastly improve your ability to remember and understand musical notation and phrases.	$1.99

Purpose	App	Description	Price
Ear Training	InTune	Fine intonation requires a good ear. You'll hear a pair of pitches. Choose whether the second is higher or lower than the first. The game gets progressively harder by playing 2 pitches that are much closer together.	$0.99
Ear Training	Monster Chorus	Each of the cute monsters sings a beautiful note. Can you make them sing a song?	Free
Ear Training	My Note Games	This app listens to you playing your instrument (including singing) and contains a suite of simple games to teach music theory and instrument mastery. Based on solfege. Uses: Excellent way to assess students abilities to play or sing from standard music notation.	Free (offers in-app purchases)
Ear Training	Tap & Sing Storybots	This app was used to warm up students on solfege and to create vocal patterns using solfege. This app is a big hit with students.	Free
Note Reading	Flashnote Derby	Flashnote Derby is a fun way for kids to learn and practice identifying music notes by name. Uses: Great way to assess students on note reading skills.	$0.99
Note Reading	Moozart	This barnyard-themed music creator features sounds from a cute collection of barnyard animals and objects. Children can easily and quickly create and save their own songs by dragging familiar, colorful animal icons and placing them on a musical staff.	$1.99

Purpose	App	Description	Price
Note Reading	Note Squish	Simple game will teach you the names of the notes on the treble, bass, and C-clef. Uses: You can customize this game to your curriculum. If your students are studying a pentatonic C Scale, you can customize this game accordingly.	$0.99
Note Reading	NoteWorks Note Reading Game	The cutest little munchy creature bops out on the screen to get ready to swallow the notes players identify correctly as they come from the note-making factory- scrolling across the screen at a speed YOU get to designate.	$4.99
Note Reading	Pluto Learns Piano	Help Pluto catch the musical notes while avoiding sharks, rocks and jellyfish. Price: Free (It comes with two songs. You will need to pay to purchase more). Uses: If you are teaching piano and rhythm patterns in your classroom, then this app will nicely reinforce this in a fun way.	Free (offers in-app purchases)
Note Reading	Rainbow Music Notes	Rainbow Music Notes creatively associates colors with notes to help beginners to recognize and remember them while playing. At the end of each game, a fun scorecard is given to encourage players for more practice. Uses: Good assessment tool for note reading skills. Can set this app up so the students are assessed on 1 to 8 notes.	$1.99
Note Reading	Rhythm Cat	Put your rhythm skills to the test! Above all this game is highly entertaining with a great soundtrack to play along to, but it also has the added benefit of teaching you to read the most commonly used music rhythm notation	Free Lite Version $4.99 for full version

Purpose	App	Description	Price
Note Reading	Staff Wars	StaffWars is a game designed to help beginning and intermediate musicians learn, practice and woodshed the note names of the treble, alto and bass clefs. THE APP for anyone who wants to master these clefs.	$0.99
Orchestra	My Musical Friends	Meet your musical friends from Melody Street in this colorful interactive app featuring the instruments of the orchestra.	Free
Orchestra	Piano Carnival	Interactive e-book based on Camille Saint-Saens "Carnival of the Animals."	Free
Orchestra	Young Person's Guide to the Orchestra	Excellent app to go with teaching "Young Person's Guide to the Orchestra" by Benjamin Britten. Includes recordings along with music notation, video, orchestra instruments/sounds, and interactive games.	Free
Piano	Piano Maestro	Excellent piano lesson app which is also a fun game. Can plan the piano on the app or use an external app. Created by JoyTunes.	Free (offers in-app purchases)
Piano	Piano Summer Games	Additional app to practice playing piano. Can compete against others from around the world in real time. Can plan the piano on the app or use an external app. Created by JoyTunes.	Free (offers in-app purchases)
Piano	Virtuoso Piano	Free piano app for when you need a piano but do not have one available.	Free
Recorder	JoyTunes Recorder Master	Play notes on the recorder to avoid obstacles, collect bonuses and scare away evil birds, to become a "Recorder Master". Become an expert in playing songs while working on rhythm, correct and stable tone production, ear training, fingering technique and more! Uses: Great assessment tool for students learning the recorder.	$1.99

Purpose	App	Description	Price
Recorder	Learn to Play Recorder	This app is based on the Recorder Resource Kit by Denise Gagné and teaches beginners about the recorder, how to read music and how to play the soprano recorder. The app includes 38 songs from Just B to Camptown Races, all with a full performance track to play along with! Uses: Another great assessment tool for students learning the recorder, especially if you are using Denise's series.	$3.99
Teacher App	Aurasma	Bring images to life with this augmented reality app. Upload trigger images and link them to videos/animations to produce auras for students and or parents to interact with (compare to the moving pictures in Harry Potter). Uses: Set up auras for self-discovery where students walk around the room with an iPad, hovering over images and learning about their content (composers, instruments, etc.). Also great for parents to interact with in the hallway outside the music room.	Free
Teacher App	Bla Bla Bla	App connects to microphone and reacts to the volume level in the room. Simple black/white line drawing of a face (several to choose from) changes as the volume in the room increases. Uses: Wonderful tool to reinforce dynamic levels to young students.	Free
Teacher App	Decide Now	Make random choices easier with this spinner app. Create your own list, tap the green button, and allow the app to randomly choose your next option. Uses: random student selector, games (orchestra four corners, note name games, etc.)	$0.99 (Lite version is free)

Purpose	App	Description	Price
Teacher App	Dropbox	Connect to your Dropbox account on your iPad. Uses: Store files (lesson plans, resources, student samples) and access them on the go.	Free
Teacher App	Google Drive	Connect to your Google Drive account on your iPad. Uses: Store files (lesson plans, resources, student samples) and access them on the go.	Free
Teacher App	Evernote	Connect to your Evernote account on your iPad. Uses: Create and sync notes, notebooks, and notebook stacks to keep your thoughts organized.	Free
Teacher App	iDoceo	A grade book, planner, diary, schedule and resource manager all in one app. You can insert and edit any kind of information for a class, student and semester visually, no more boring spreadsheets. Scroll, expand, filter, export, import and view your information at any time. No internet connection is required. iDoceo will work with any kind of grading system, you can even create your own.	$7.99
Teacher App	iMovie	Create professional looking videos in no time! Uses: classroom performances (for self-reflection, project previews, parent outreach), informational videos, promos (recruit for choir, band, etc.)	$4.99
Teacher App	Pinnacle Studio	Another great video-making app. This one includes a few more options, including the ability to create picture-in-picture videos. Uses: see iMovie	$12.99

Purpose	App	Description	Price
Teacher App	Voice Record Pro	Easy to use audio recorder that uses built-in iPad microphone. Uses: record student work samples, performances, teacher voiceovers for videos, etc.	Free
Teacher App	Notion	Notation editor and playback tool for the iPad (similar to Finale).	$14.99
Teacher App	One Track Mind	Plays one song from your playlist then stops automatically.	$0.99
Teacher App	Plickers	Poll your class for free, without the need of student devices. Give each student a "paper clicker" (files available to print on their website) and scan the room with your iPad to get real-time results. (App says it's built for iPhone, but also works on iPad.)	Free

Fundraising Ideas

- PTO
- Donor's Choose
- Target Grants
- Fundraising
  - Cardinals Game - proceeds from tickets sales (or something similar for other local sporting events)
  - Auction front-row seats for concert
  - Auction parking for concert
  - Ask for donations at concerts (make sure your audience knows why you're asking for money)
  - Partner with art teacher for Art to Remember
  - School pretzel sales
  - School trivia nights
  - Silent auction

Credits & Disclaimer

- Fonts: Kimberly Geswein Fonts & Tweet Resources
- Border: Clip Art Engine
- iDoceo collage image: www.idoceo.net (used with permission)

Bridget Zimmermann & Angie Kelton are in no way employed or associated with either Apple or iDoceo. No compensation was given to promote the iPad or iDoceo app. (We just really think they're super-cool tools for the music room and they have made our jobs so much easier!)

Notes: