

DOWNLOAD SESSION NOTES





DIGITAL DO REMI

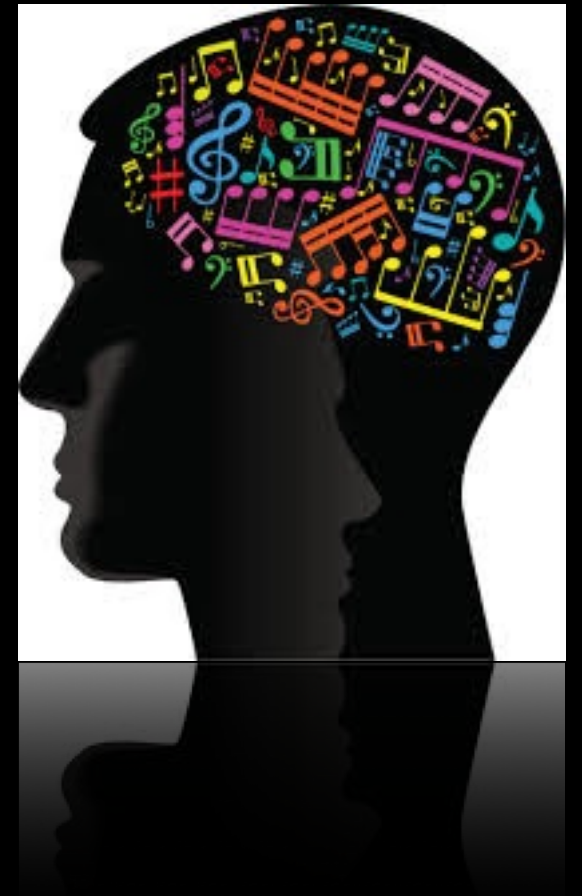
INCORPORATING TECHNOLOGY IN THE ELEMENTARY MUSIC CLASSROOM

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WHITE PIGEON (MICHIGAN) COMMUNITY SCHOOLS
TI:ME/NYSSMA ROCHESTER, DECEMBER 2016

We all feel like Emma...

PRODUCERS OR CONSUMERS?

- It is estimated that 1 in 10 students will continue making music after graduating from high school
- “Perhaps one of the greatest weaknesses of our school band program is that, for the majority of the students, active participation ceases upon the day of graduation from our high schools.” - William Revelli (1937, ‘The School Band Movement’, *Music Educators Journal* 23 pages 32-34)



TUNED TO TECHNOLOGY

- Our students were born into a technology heavy environment.
- Technology engages our students at a higher level.



MY SECOND GRADE STUDY

This informal study was done using two second grade classrooms in April of 2013. Both rooms had similar average test scores in reading and math as well as equal numbers of total disciplinary referrals.

Lessons were leading to a final assessment on MI Fine Arts Standards ART.M.1.2.9 (Use a system to read quarter notes and rests, eighth notes and half notes) and ART.M.1.2.10 (Use a system to read pitch notation for a pentatonic scale). Six identical lesson plans for 15 minute segments over a period of 3 weeks prior to assessment. Students had equal prior lessons on these standards using an approximately equal mix of technology and traditional methods.



CLASS A

- Flash cards
- White board/poster paper
- Observed and written assessment (paper and pencil)



CLASS B

- iPad version of flash cards
- Projected images and/or interactive board
- Observed and written assessment (ActiVote)

THE RESULTS - ART.M.I.2.9

S=Secure

D=Developing

B=Basic

Class A

Class B



THE RESULTS - ART.M.I.2.10

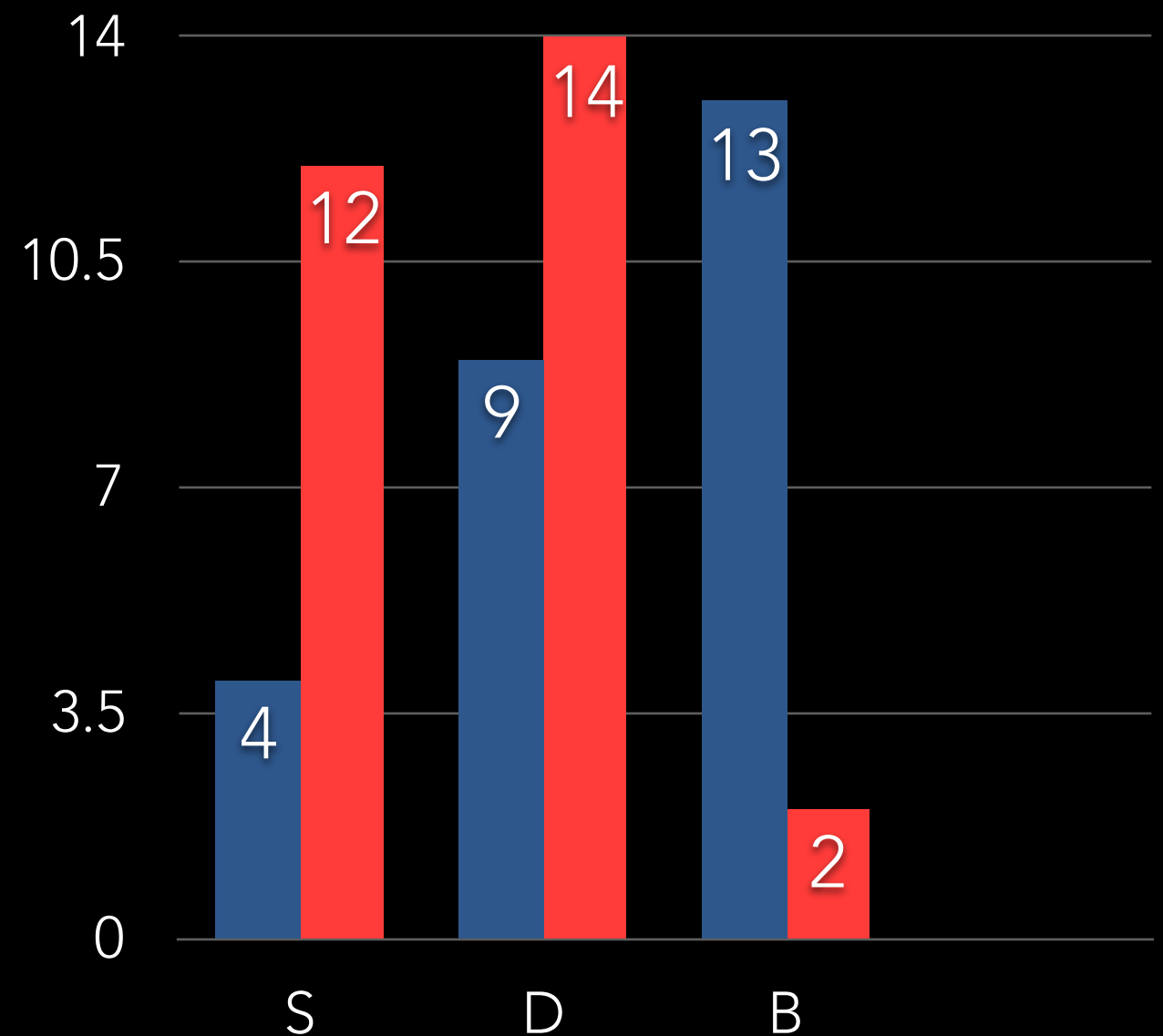
S=Secure

D=Developing

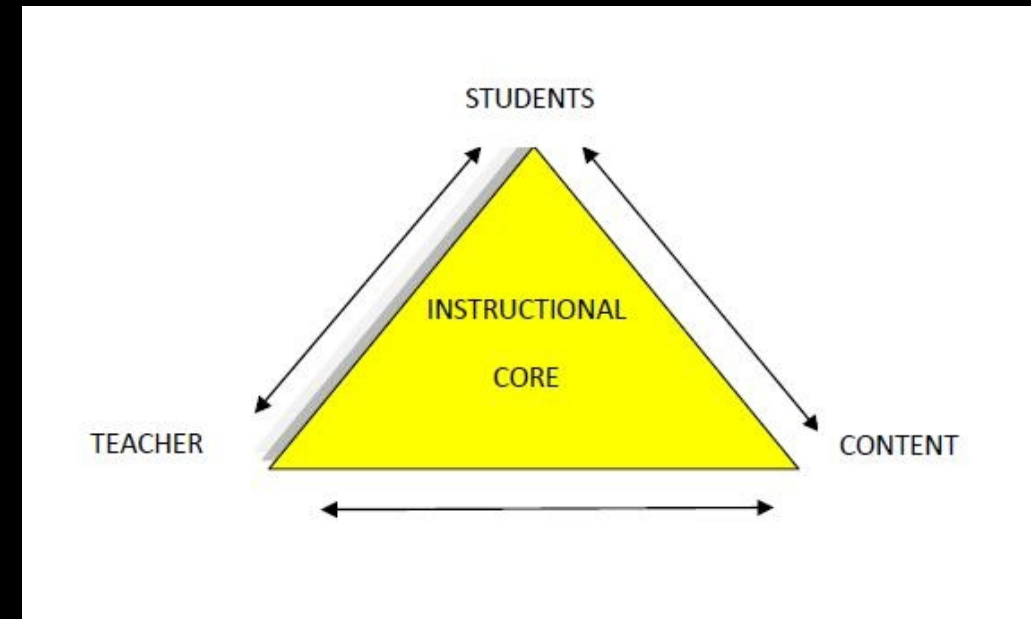
B=Basic

Class A

Class B

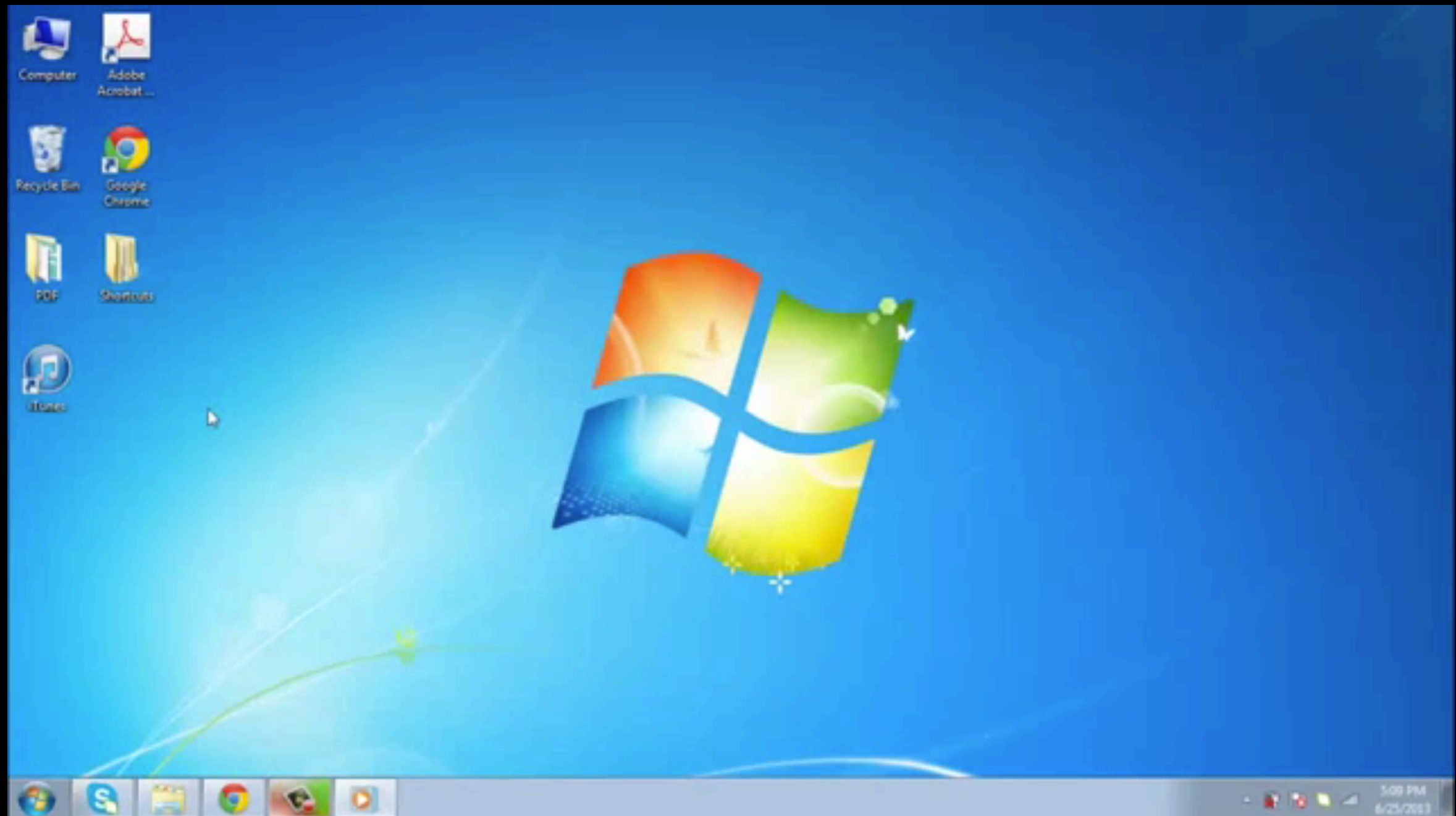


MODELING TECHNOLOGY USE



- Digitize. EVERYTHING.
- Project, project, project!
- Get those devices talking to each other

DIGITIZE YOUR MUSIC



OPT FOR DOWNLOADS

- Check for download options on subscriptions (such as "Music K-8).
- Keep downloads organized in folders on your USB drive to avoid overloading your iTunes.
- Files are quick and easy to search. It saves time and you have the bonus of being able to take your entire music library with you anywhere.

SCAN TO PDF AND USE PRESENTATION SOFTWARE

- Eliminates the need to photocopy
- Makes files projectable
- Organize files for easy future reference
- Clear your desk! Digital files = no paper clutter





Every Autumn

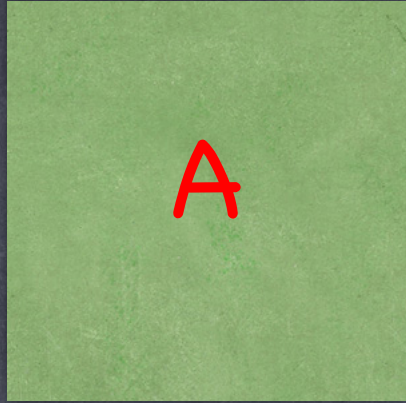


A

Every autumn colors burst forth,
lavishing the land.

It leaves us in awe.





Every autumn school begins
and everything seems new.
Can you sense it, too?



B

Red and yellow, orange and brown
form the autumnal crown.

The leaves fly through the air.

Shouldn't we stop and stare?

Every autumn.

Every autumn.



REMOTE OPERATION

- Apps allow you to operate your iTunes, Keynote or PowerPoint files from an iPad or iPhone.
- Most apps are free - those that are not are usually very inexpensive.
- Operating media without having to take your attention away from students will keep them engaged and focused.
- Transitions between segments of a lesson are seamless.

REQUIREMENTS

- Computer and iPad MUST be running on the same wireless band.
- Your building has to have remote enabled on their system security.
- Check with your IT person FIRST. It can save a lot of hassle.
- Everyone has their preferred system for using remotes. Find out what works best for you!

RECOMMENDED REMOTE APPS

- Remote (iTunes, free)
- Keynote for iPad (\$9.99, app store)
- Doceri (\$30.00, app is free)
- Pointer Remote (PowerPoint and Keynote, \$0.99)
- SlideMe Remote (PowerPoint and Keynote, free with \$4.99 upgrade to Pro version)

EDIT MP3 FILES WITH AUDACITY

- The software is free.
- Change pitch and/or tempo, plus many other options.
- Did I mention it's free?





- The best way to do this is to walk through it on your own once.
- If you need a refresher or would like to see a demonstration, there is an excellent tutorial at this link: <http://www.youtube.com/watch?v=oFeKQkM0eI4>

ORGANIZE!



- Keep important documents in the cloud for access anywhere
- Productivity apps keep the paper clutter down and information available when you need it.

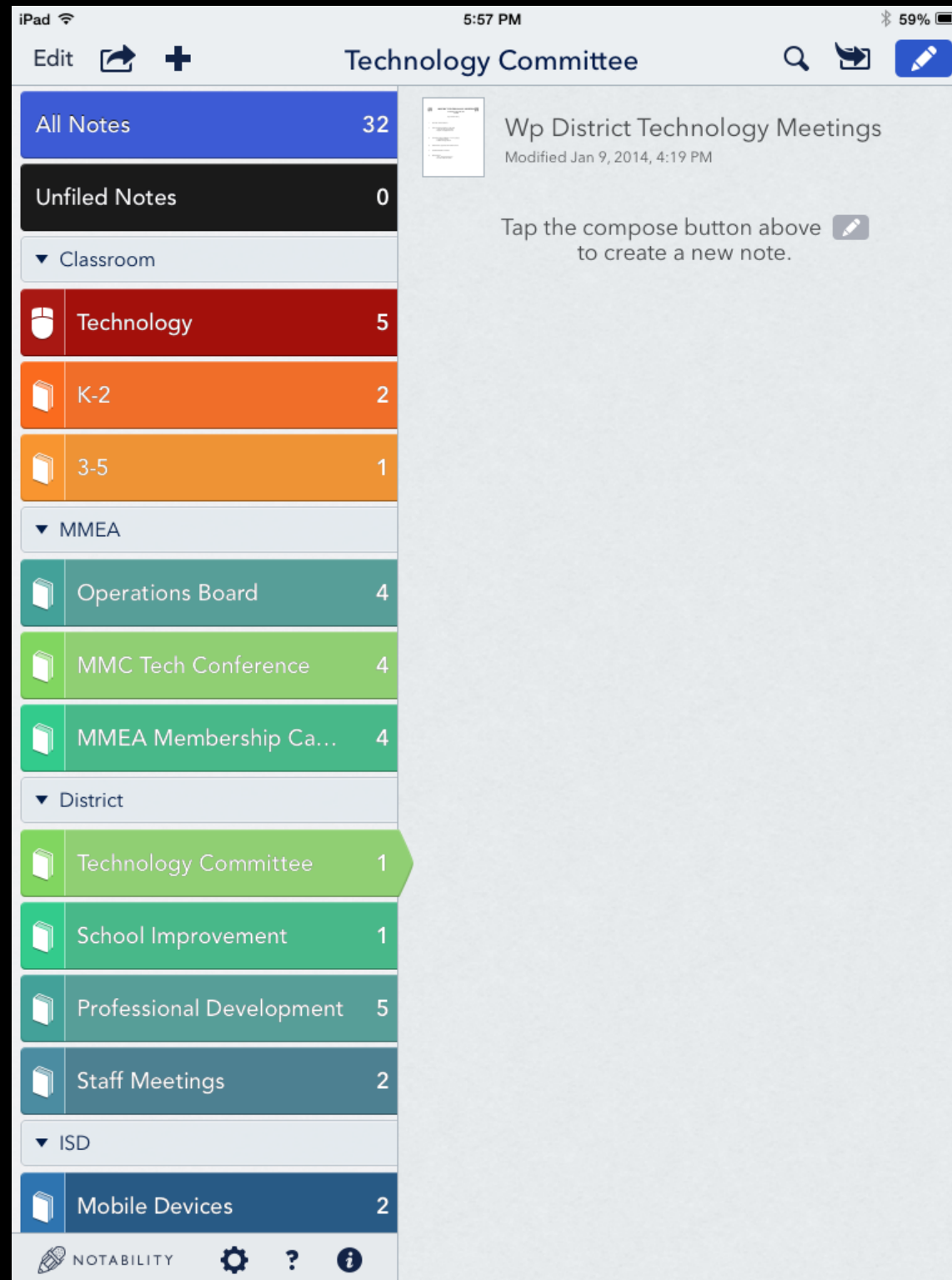
USE YOUR CLOUD

- Most districts have gone to Google for email and educational apps. Use your Google Drive to store as much as possible. Make sure to organize folders for easy retrieval.
- Go paperless! Share documents on GDrive with your colleagues if the information is too lengthy for email. Give them editing ability if you are looking for input.
- Use folders within your drive to make files easy to find.

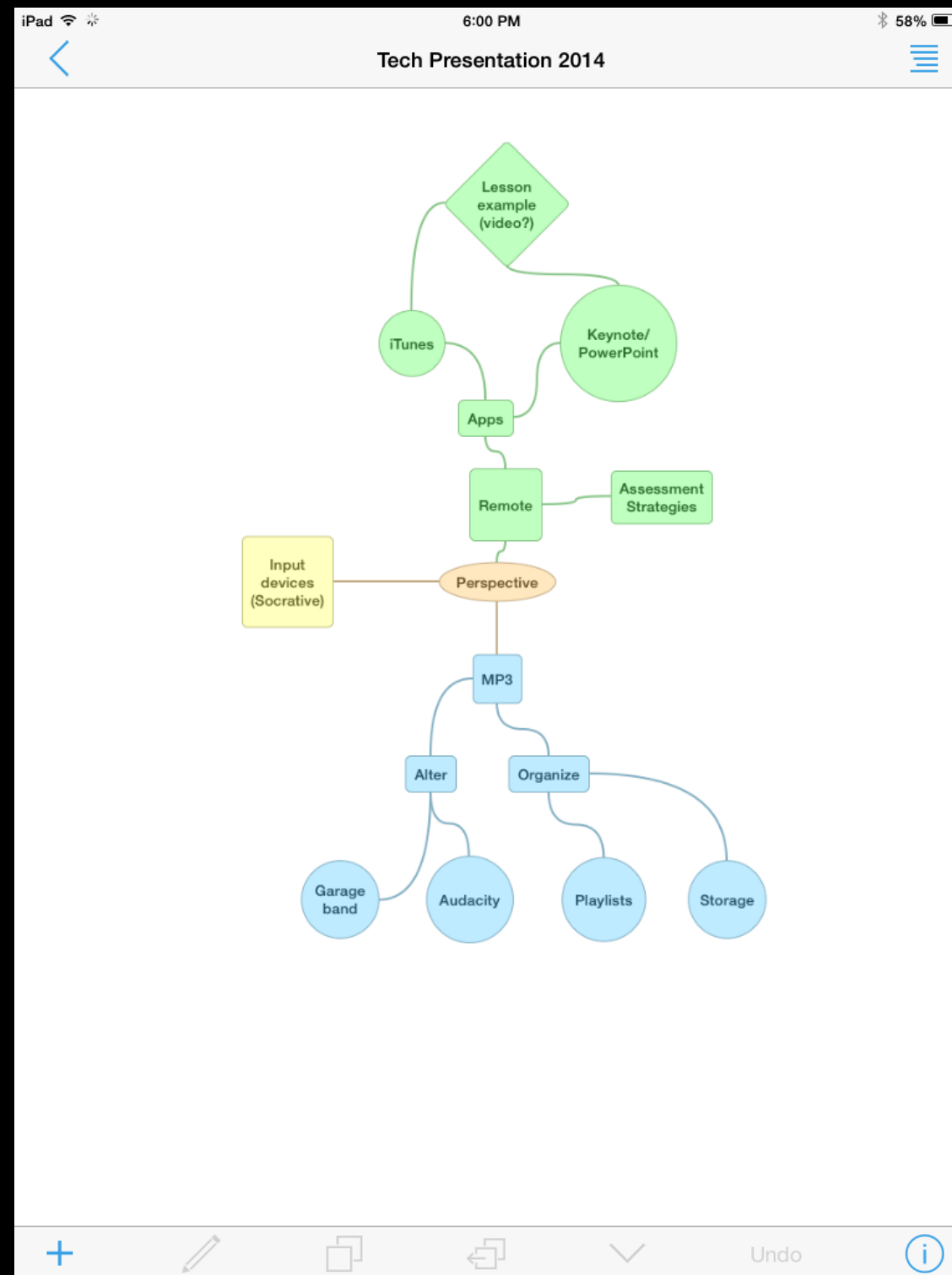
APPS FOR PRODUCTIVITY

- Notability allows you to take notes, import and annotate PDF documents, record audio, sketch, take pictures and organize documents into color coded folders. It has iCloud support so you can access from both iPhone and iPad. Only \$2.99!
- Reminders is my favorite to-do list. Free on iPad or iPhone.
- Idea Sketch: draw a diagram or flow chart and convert it to an outline, or the reverse. Very simple to use and free or upgrade to Plus for \$3.99.

FOLDERS IN NOTABILITY APP



FLOW CHART IN IDEA SKETCH



MORE PRODUCTIVITY APPS

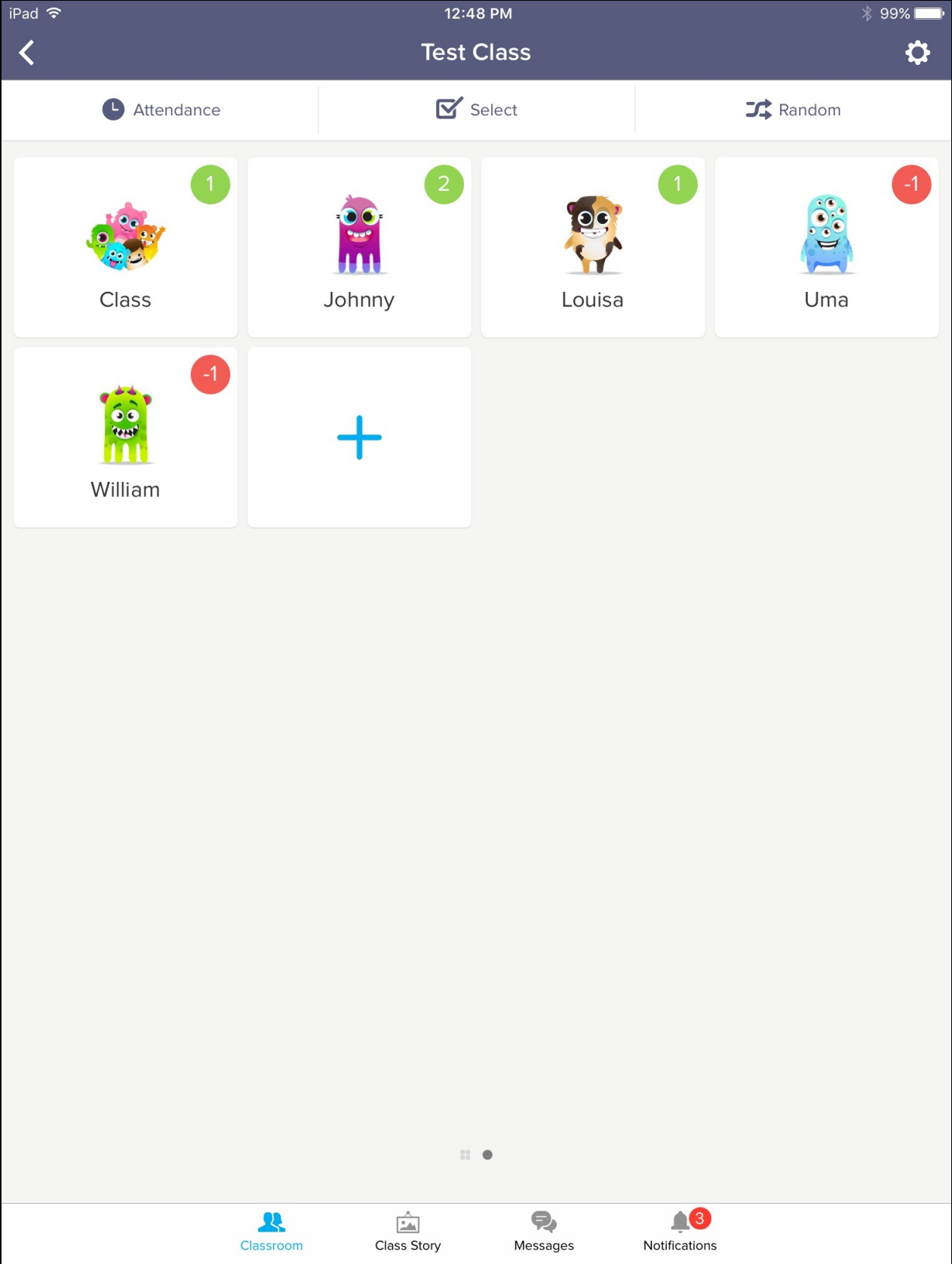
- Scanner Pro: Take a picture of a document and export it as a pdf file. \$6.99 (was on special in January for \$2.99!)
- Trello: Register online and download the free app. Great for group projects - keeps everyone in the loop and on track.

AND EVEN MORE!



- planbook.com is \$12.00 per year and has an easy to use app. Free 30 day trial.
- PlanbookEdu has a free version that is limited and a pro version for \$25/year.
- Class Dojo: Behavior incentive through positive reinforcement. Can be run through the app (free) or their website (also free).

SAMPLE SCREEN FROM CLASS DOJO



Back

Edit feedback types

Done

Positive

Needs work



1

Working hard



1

On task



1

Teamwork



1

Helping others



1

Persistence



1

Participating



Add behavior

Back

Edit feedback types

Done

Positive

Needs work



-1

Unprepared



-1

Talking out of turn



-1

Disrespect



-1

No homework



-1

Off task



Add behavior

APPS CAN BE A PERSONAL THING...

- Generally what works for one doesn't work for all.
- Know what you want an app to do before you begin searching. Define the job then look for the tool.
- Don't think you're stuck with an app that you don't like
- research more and try another!
- Keep your pad clean. Remove apps from your iPad if you aren't going to use them.

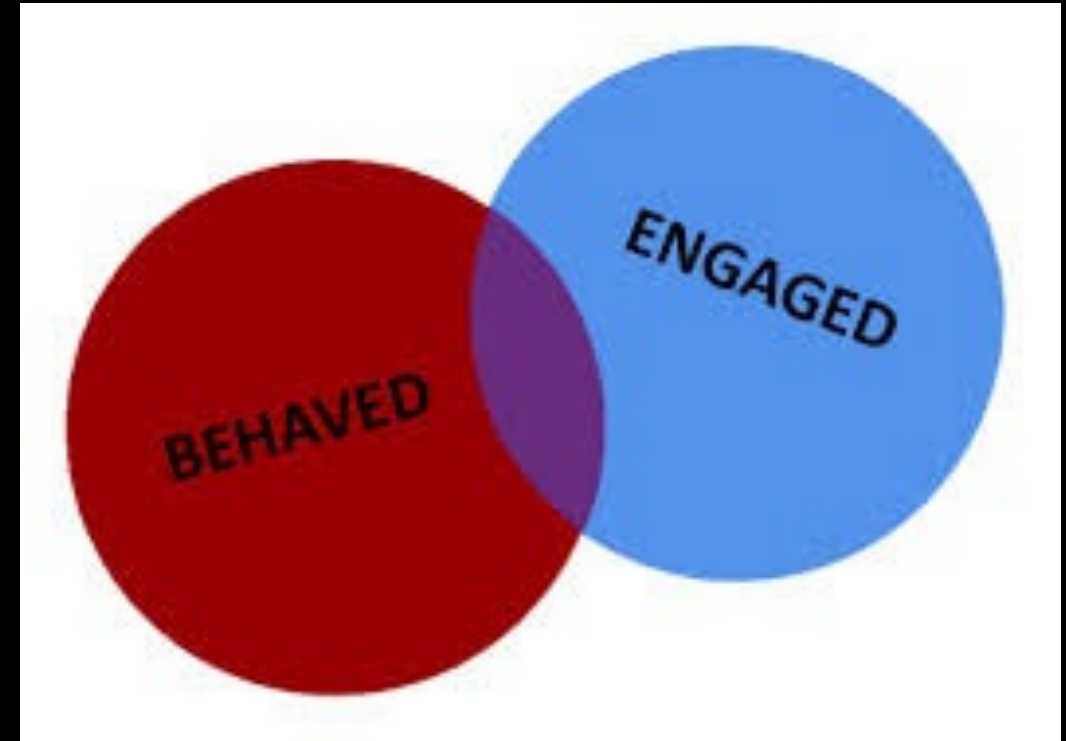
DON'T FORGET THE POWER OF YOUR NOTATION SOFTWARE

- This is a great way to free yourself from the piano or keyboard during rehearsal, for performance or both
- Play the accompaniment into a score, then export as Mp3 file
- Change the instrumentation - instead of piano, why not harp or string quartet? Add a drum track or horn line!
- Use the Chroma-Notes font (Finale) for Music Play handbells or Boomwhackers

COMMUNICATING THROUGH A TEACHER WEBSITE

- Build a website on a number of platforms. Chances are you are enabled through your school Google account. Make sure your site is linked through your main school site and easy to find.
- Make it basic for a start, then add more features later as you get comfortable with the format.
- Parents love seeing what their students will be learning and students like having links to their favorite online activities and sites available to them at home.
- Posting recorder music on your website makes practice fun for students.
- Current information, available instantly, about events such as concerts and programs is helpful for parents.

ENGAGE YOUR STUDENTS

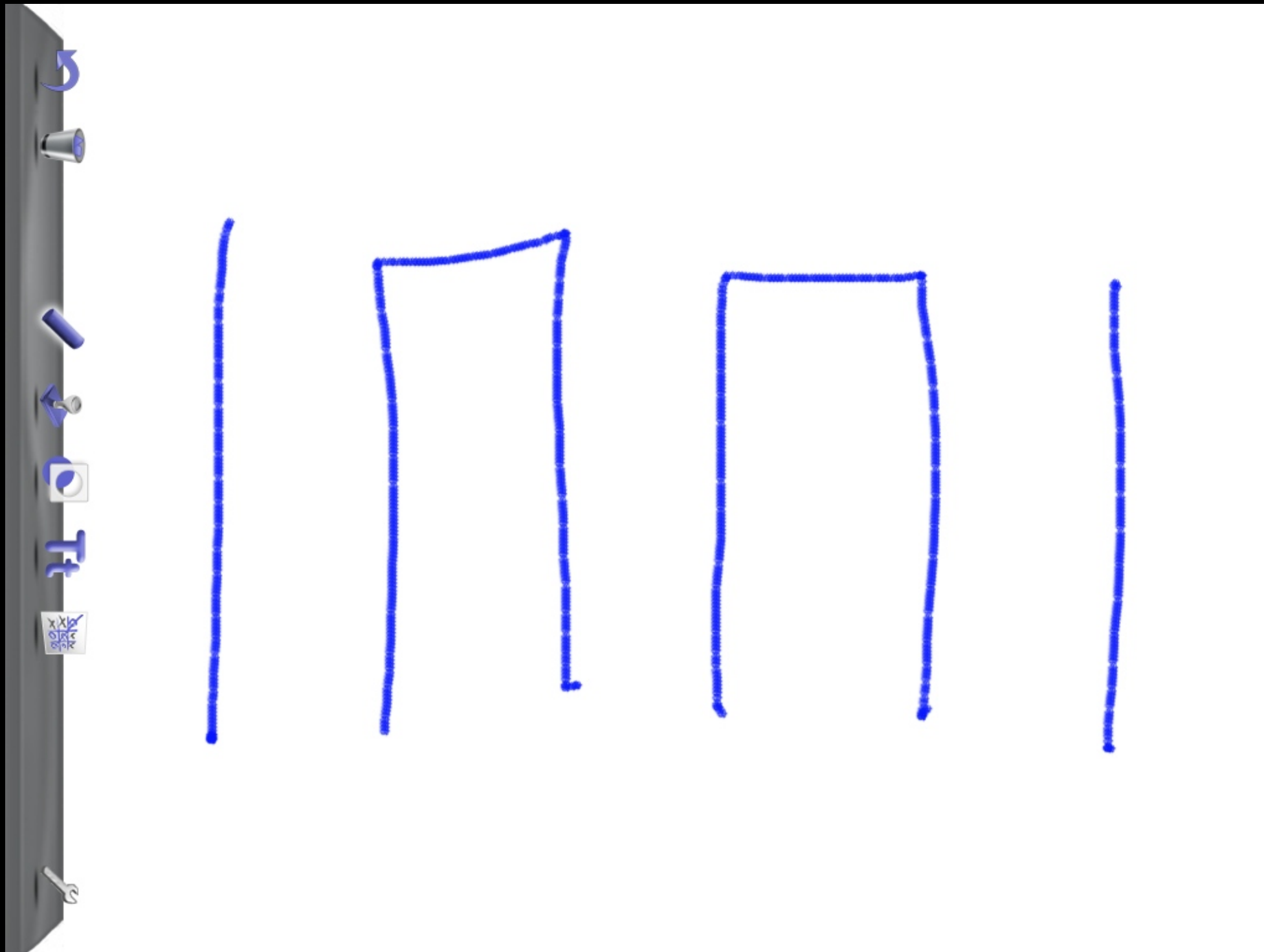


- Dump the flash cards
- Combine digital with traditional
- Interactive whiteboards?

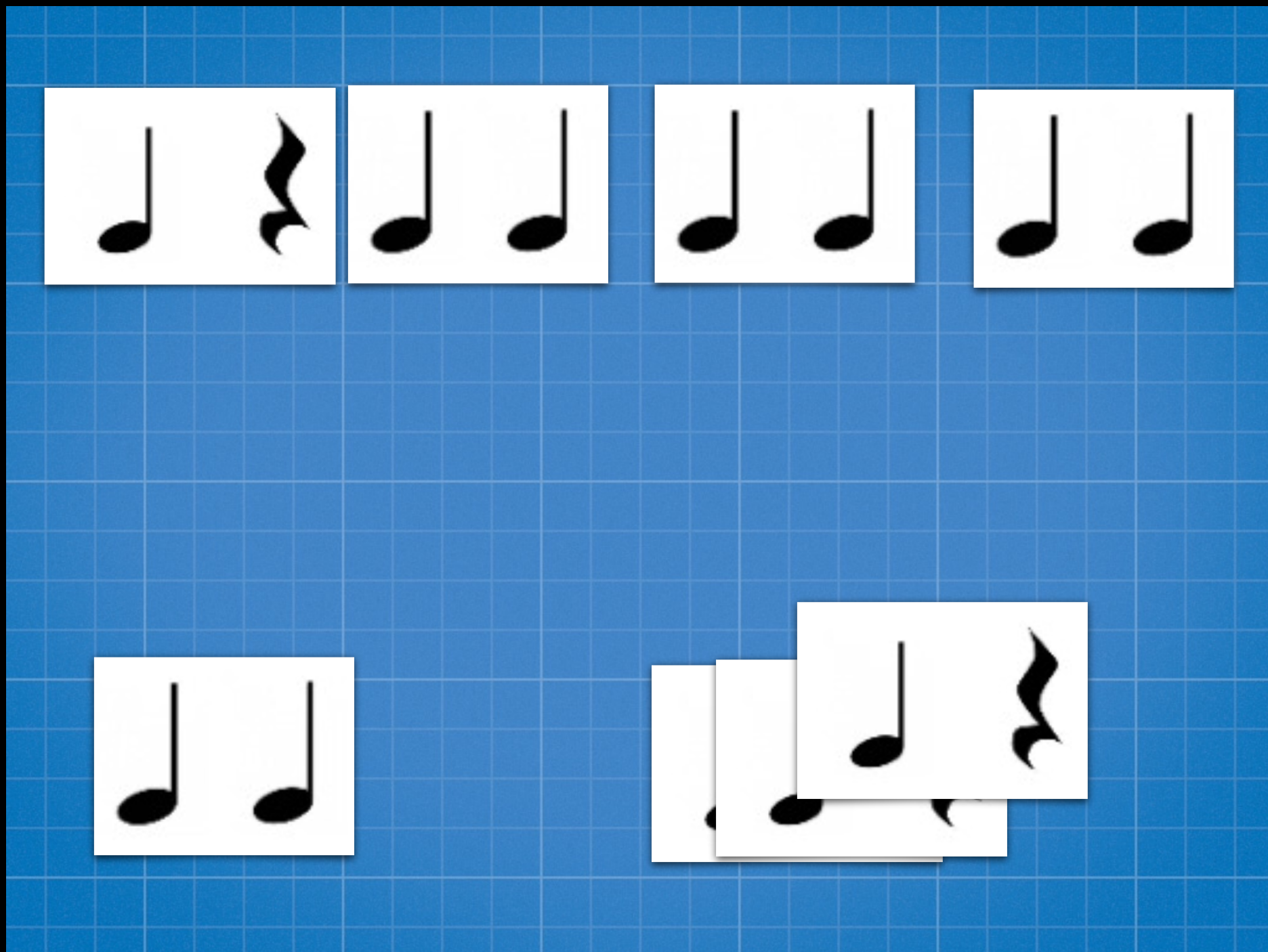
DIGITAL FLASHCARDS

- A simple doodle app, like AirSketch (free, upgrade to full for \$9.99) turns your iPad into a whiteboard. Simple to use, and you don't need Apple TV!
- WB Mojo gives you lots of options if you have Apple TV, or you can use it without. Free, and it comes with a lot of tools.
- If you want something simple and quick, Doodle Buddy works great and is free.

DOODLE BUDDY RHYTHM FLASH CARD



DIGITAL CARD SET FOR ORFF ACTIVITIES



INTERACTIVE BOARDS AND SHORT THROW PROJECTORS

- Endless material is available for both SMART and Promethean boards through their website.
- Flip charts are easy to make and customize on your own.
- Learning games can be fun for your whole class. Divide them up into teams and run an online game on the board. A fantastic way to review material before an assessment!

NO BOARD? NO PROBLEM!

- Use Doceri to manipulate interactive files with your iPad instead of the screen. Pass the pad to students instead of having students go to the board.

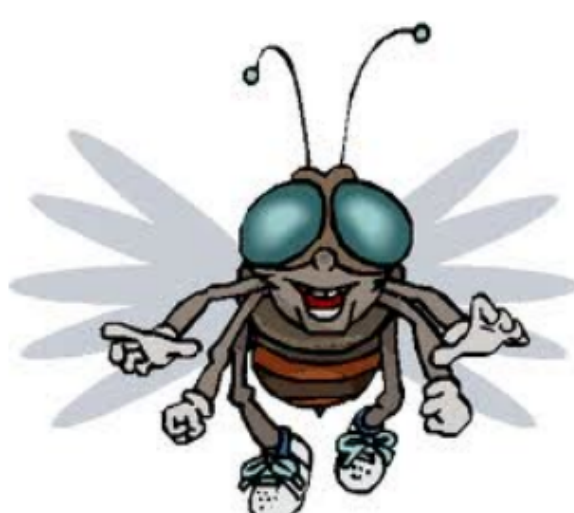
PROMETHEAN RHYTHM CARD ACTIVITY

ActivInspire File Edit View Insert Tools Help

ActivInspire - Studio

Untitled Fly in my pie rhythm activity Page 1 of 1 Best Fit

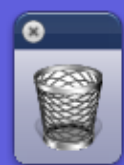
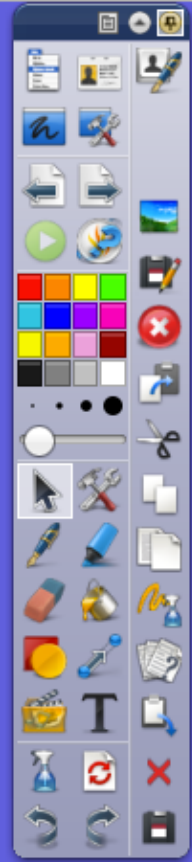
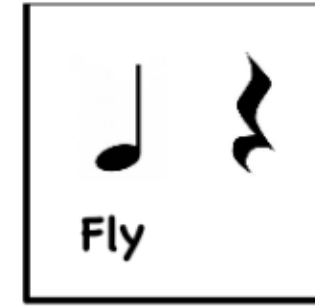
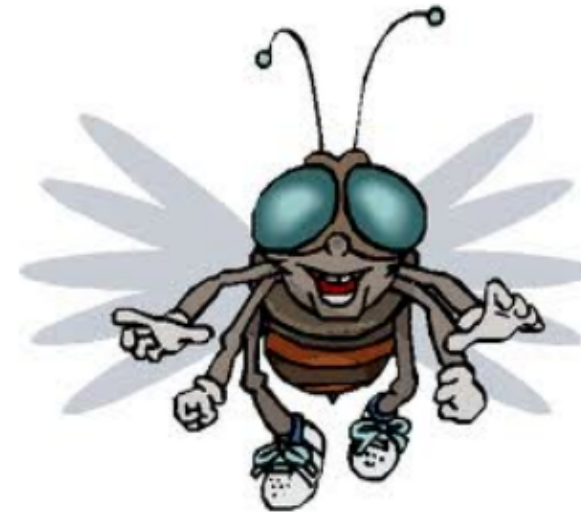
Fly in my pie!



Four sets of rhythm cards are shown below the text. Each set consists of a stack of cards with a musical note and a flame symbol above it. The first set is labeled 'Fly', the second 'in my', and the third 'pie'. The fourth set is empty.

Fly in my pie

Fly in my pie!




MORE RHYTHM CARDS





ActivInspire File Edit View Insert Tools Help

ActivInspire - Studio

Untitled Rhythm Cards 1 Page 1 of 3 Best Fit

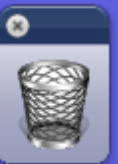
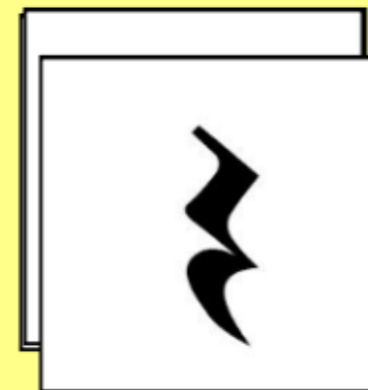
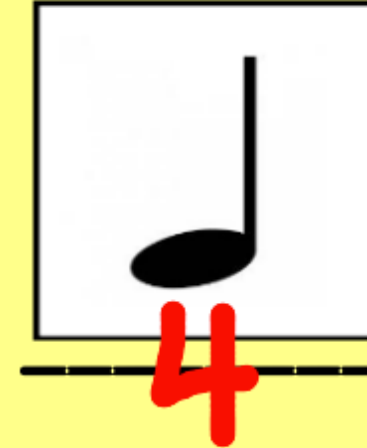
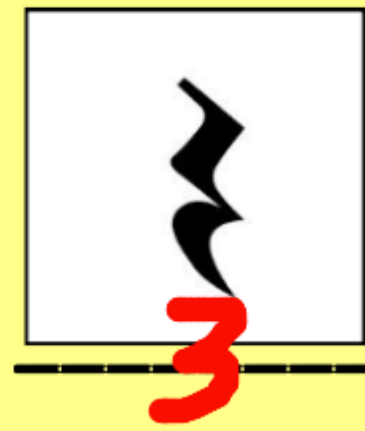
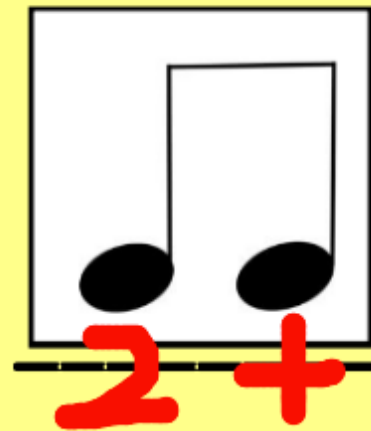


Rhythm Cards 1





Rhythm Cards 1



RECORDER/ORFF STAFF

ActivInspire File Edit View Insert Tools Help

ActivInspire - Studio

Untitled EG Notation Exercise* Page 1 of 3 Best Fit

The image shows a screenshot of the ActivInspire Studio application. The interface includes a menu bar at the top with options: File, Edit, View, Insert, Tools, and Help. Below the menu bar is a toolbar with various icons. The main workspace displays a musical score for a Recorder/Orff staff. The staff consists of two five-line staves. The top staff has a treble clef and a 4/4 time signature. The bottom staff has a treble clef and a 4/4 time signature. Below the staves, there are four groups of musical notation: a group of eighth notes, a group of quarter notes, a group of eighth notes, and a group of quarter notes. A large blue rectangular area is at the bottom of the page. The right side of the interface features a vertical toolbar with various icons for editing and drawing. The bottom right corner shows a trash can icon.

SIMPLIFY YOUR ASSESSMENTS

- Interactive Data Devices - no paper or pencils needed!
- Socrative or Rubrics (app)



INTERACTIVE DATA DEVICES (CLICKERS)

- FOR WHEN YOU HAVE NOTHING ELSE!

- Makes assessment easy and versatile.
- No paper or grading! Ideal for testing large numbers of students.
- Assessments are quick to write and use, and administrators love the reporting features.
- Perfect for common assessments between buildings and staff. Store files in the cloud so everyone who needs them has access.

ACTIVOTE AND ACTIVEXPRESSION DEVICES

- Promethean products.
- Board is NOT needed! All you need is a projector, clicker set and a hub.



- Assessments can be written as true/false, multiple choice, short answer or a combination.
- Not all clickers are capable of text. Check to see what you have available and what software is needed before you write your assessments.




ASSESSMENT EXAMPLE

ActivInspire File Edit View Insert Tools Help

ActivInspire - Studio



Untitled Two Part Skills Quiz 1*

Page 4 of 6 Best Fit



We ended our musical sentences in "Island Fun" with:

- A** a scale
- B** a repeat
- C** a V-I (5-1) cadence



EXPORTED RESULTS- SUMMARY

Numbers File Edit Insert Table Format Arrange View Window Help 42% Sun 11:21 AM Denise Lewis

Schmeling Reading Music 1

View 125% Function Table Chart Text Shape Media Comment Share Tips Format Filter

Summary By Question By Student Question Page

ActivExpression results from flipchart: Reading Music Brainpop Quiz.flipchart

File location: /Users/iuklarinet90/Desktop

Creation Date: Mon Nov 4 08:13:24 2013

	Student Name	CE0	CE1	CE2	CE3	CE4	CE5
Student ID							
Total	16	15	16	16	16	16	16
%	0%	40%	63%	38%	56%	44%	44%
Total Response Time		432.7	475.0	487.3	352.9	392.7	392.7
Treble Clef	Q1		C	B	A	B	
position	Q2		C	A	C	A	
scale	Q3		B	D	B	A	
common time	Q4		C	B	B	B	
scale	Q5		D	A	B	A	
Treble Clef	Q6						
Treble Clef	Q7		D	C	B	A	
position	Q8		D	A	D	C	
scale	Q9		D	D	D	D	
common time	Q10		B	B	D	B	
scale	Q11		D	A	C	A	
Bb	Q12		C	D	C	C	
8th note	Q13		D	A	B	A	
time signature	Q14		B	D	D	A	
quarter rest	Q15		D	A	D	C	
triple meter	Q16		D	C	C	C	

Nothing selected.
Select an object to format.

POLLING APPS



- Socrative is the most widely used free app for quizzes or polls.
- No clickers? No problem! If you have any 1-1 capability with iPods or iPads you can use a polling app.
- Get started by going to socrative.com and sign up, then download student app on your class devices.
- Write your own assessments, then run everything from your desktop or iPad with the Socrative teacher app.

RUBRICS



- App for iPad
- 30 day free trial then \$5.99/year
- Write your own rubrics
- Export class or student results as Excel file - easy to keep digitally



did not
participate







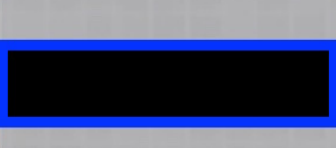






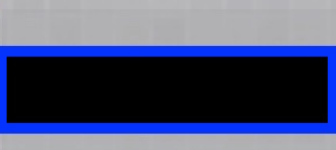

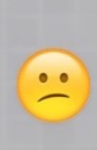




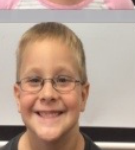
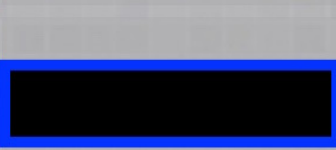




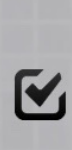



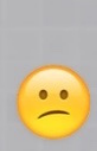




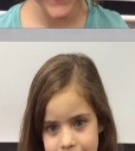
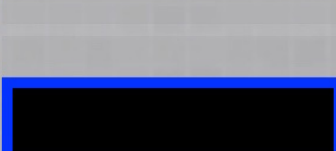


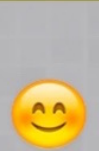
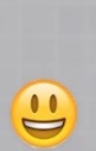


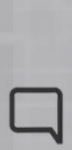

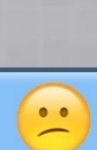



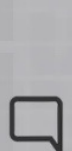




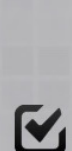
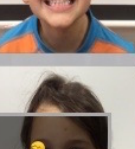
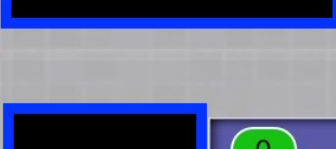



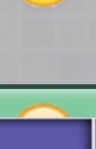
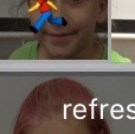
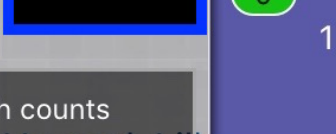




sings less than 25%

sings 25-59%

sings 50-75%

sings over 75%



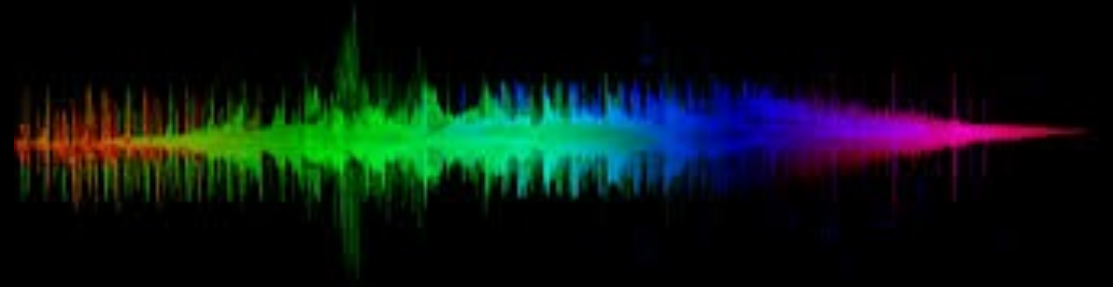
Participant	Emoji 1	Emoji 2	Emoji 3	Emoji 4	Emoji 5	Emoji 6	Emoji 7	Emoji 8
								
								
								
								
								
								
								
								
								
								

Tap each textbox to edit details.
Enter points ranging from the lowest (column 0) to highest.

Par Score Column	1	(Enter Column Criteria first)			
Column 0 points	Column 1 points	Column 2 points	Column 3 points	Column 4 points	Column 5 points
0	1	2	3	4	5
Column 0 criteria	Column 1 criteria	Column 2 criteria	Column 3 criteria	Column 4 criteria	Column 5 criteria
B	B	D	D	S	S
Score guidelines (optional)					
< 50% correct	50% correct	60% correct	70% correct	80% correct	90% correct
No steady beat	Fairly steady beat (< 25%)	Fairly steady beat (25%)	Moderately steady beat (50%)	Moderately steady beat (75%)	Steady beat throughout
Incomplete pattern	1 rep	2 reps	3 reps	3 reps	4 reps



CLOSING POINTS



- Analyze how you work in your classroom
- Decide where technology would simplify procedure, enhance lessons or enrich topics for your students
- Research then choose your apps, software and devices
- Customize
- Review results and modify when necessary

CONTACT ME

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“Every Student, Every Day”

Download notes for this session at digitaldoremi.com