GENERAL AND SPECIAL EDUCATION TEACHER CANDIDATES PERCEPTIONS’ OF IPAD APPS WITHIN THE UDL FRAMEWORK

TEACHER EDUCATION DIVISION OF COUNCIL FOR EXCEPTIONAL CHILDREN ANNUAL CONFERENCE
SAVANNAH, GEORGIA
NOVEMBER, 2017

Jennifer J. Lesh Ph.D., Assistant Professor
Kelly Burlison, Ed.D., Assistant Professor
Susan Saint John, M.A., Assistant Professor

LYNN UNIVERSITY
Lynn University: Ross College of Education
Our Goal...

1. How to integrate and use technology applications to deepen content learning and opportunities for a creative mindset.

2. How to use iPad apps to teach diverse readers— as students don’t just watch, listen, or read with an iPad— they create it.
3. What types of iPad apps can be used with your students.

4. How an iPad can help create an UDL classroom, making learning more personalized.
Educational Significance

✔ iPad applications are extremely relevant to 21st century classrooms.
✔ Should be encouraged using best practices!
Every student learns differently so make everyday assignments extraordinary using an iPad.
Lynn’s award-winning, tablet-based learning initiative puts a transformational learning device into the hands of our students!
Lynn’s Initiative- iPad Program

- As of fall 2015, all day undergraduates, new MBA students, Master’s of Education, iLynn, and new Doctor of Education (Ed.D.) students will receive, and keep upon graduation, a brand new iPad mini or iPad Pro.
Apple has named Lynn one of a select few:

- Apple Distinguished School – 3 years in a row
Lynn’s Research

- interactive lessons
- virtual tutoring
- reading, dictation
- organizing coursework
Lynn’s Research - 2015

 ✓ 94% iPad mini contributed to their learning experience

 ✓ 73% iBooks are more effective than traditional textbooks
Lynn Student & Professor Testimonials

- “iPad Pro enhances the entire music-making experience. It feels just like writing music on paper” - Conservatory of Music Student

- “The Apple pencil has many uses in the classroom. In Fashion, students actually can sketch an item and learn from the experts how to make a pattern.” - Fashion and Design Associate Professor

- “The use of accessibility management APPs can accommodate students with disabilities and assist with access to general education curriculum” – Exceptional Student Education Master’s Program Assistant Professor
How iPads Assists Teachers and Students

- Delivery and Understanding Instruction
  - *Multiple means of representation*

- Comprehension Skills
  - *Multiple means of expression*

- Learners Perspective

- Guided and Cooperative Practice
  - *Multiple means of engagement*

- Creating Life-long Learners

- Purpose Setting
Our Purpose

➢ iPad apps operate as tools for promoting critical thinking.
Preliminary Research Results - 2017

- Pre-service and practicing teachers – 40
- Freshmen to master’s level students
- Likert scale and open-ended questions
- Online anonymous survey
- IRB approved
EXAMPLES OF APPS WE (DIGITAL IMMIGRANTS) HAVE USED!
Glogster

- Glogster is a Web 2.0 tool that allows users to create virtual posters, combining text, audio, video, images, and hyperlinks and allows sharing them electronically.

- Using Glogster’s educational site, Glogster EDU, teachers can establish class lists and monitor student activity while protecting privacy and anonymity.

- [Kelly's 1st Glog - Applied Behavior Analysis](#)
Imagination is more important than knowledge.
Albert Einstein

1) Prewriting
- Prewriting is the first stage of the writing process. Prewriting, as its name suggests, is something you do before you write a paragraph or essay or other written work. Prewriting is an activity that helps writers to think about their topic, find a topic for writing, to collect ideas and information, and to do research if necessary. There are many different types of prewriting that help writers generate ideas. The different types of prewriting that we will explore here are freewriting, brainstorming, clustering, questioning, and Venn diagram.

Prewriting
- first step in the traditional writing process
- ANYTHING you do before writing your first draft
Glogster

Picture of writing process stage 3

Writing Stage 3: Revising
KaHoot

- Kahoot uses game-based learning approach to inspire creation and research in students.
- Its game-based system that increases student engagement unlike other traditional quiz procedure. All students respond.
- Get started with Kahoot simply by creating an account; it’s free for everyone.
A measure of an one's social position and economic well being that combines related variable

17

Socioeconomic status

Sociocultural theory

Sociopathic illness

Elitism
"Teach what you know. Learn what you don't." is the motto of Educreations.

Turn your iPad into a recordable white board to teach concepts from all areas of the curriculum. Lessons can be saved and shared via multiple platforms after they have been created using the iPad app or your browser.

Lessons that other educators and students have created are available as well.
Inspiration Maps

- Inspiration Maps brings visual thinking to the iPad.
- It is a valuable tool for written and oral assignments.
Inspiration Maps

- Students build their knowledge by creating diagrams, maps, and organizers that help them brainstorm, plan, organize, and build thinking skills.

- Students can:
  - Brainstorm
  - Analyze information
  - Understand cause & effect
  - Organize projects
  - Organize thoughts and topics for writing
  - Take notes
  - Study for exams
Notability

- Students are able to take notes in a variety of ways:
  - Handwriting
  - PDF annotation
  - Typing
  - Recording
What are your thoughts about action research in your school? Would the faculty be bored with it? How would you discuss action research with a teacher who was leery of becoming involved in the research intervention plan?

Action research is a problem-solving approach that relies heavily on data analysis and collaboration within the school site. The goal of action research is to solve a problem through designing and implementation of an action plan created by members of the school faculty. Done successfully, action research requires a lot of work and commitment. I think action research would be very beneficial in three out of my four of my striving schools. I am a big proponent of action research, but also feel like a school needs to be ready for the task. For example, in my schools, the majority of the teachers are at a very low level of expertise. I do not think they are at the point where they can design a problem solving action plan. Before we get to the additional, intense staff development needs to occur. In my other three schools, I feel like we are teachers who would be able to effectively lead the collaborative conversations that would produce an effective action plan that could be carried out with fidelity. I think the biggest reason to prevent the faculty from becoming bored with action research is to really include them in the selection of the focus area. Although a teacher's "To-do list" is never fully complete, I truly feel that the majority of teachers want to provide the best possible education for their students. If a real need is determined, and the teachers believe it is a need, I do not think they will become bored with the process. I do think the principal needs to keep the teachers motivated throughout the process. The teachers need to be given time to collaborate and on their action plans in order for the action research to be successful. In addition, the principal can distribute leadership roles to teachers to motivate them.
iMovie

- Create engaging presentations
- Create How-To movies
- Create video reports
- Digital Story Telling
- Provide out of school experiences
- Create book trailers/reports
iMovie

WHAT MY CLASSROOM WILL LOOK LIKE

KARINA DA FONSECA
EDU 31S
DR. BURLISON
iMovie
Pages

- Pages is “the most beautiful” word processor.

- This powerful word processor helps you create gorgeous reports, resumes, and documents in minutes.

- Pages has been designed exclusively for the iPad, iPhone, and iPod touch.
Excellent use of citations for each slide

YEAH APPS!!!! Love that your apps. EXCELLENT!

Suggestion: for future presentations try to eliminate the "hums". Work on your scholarly orator skills!

Good job teaching the students that they must expand on the videos

Good use of when to use appropriate wording i.e. Potty, toilet, urinate

Good job addressing sensory overload and the celebration piece!
Keynote

• Create stunning and memorable presentations
• Add themes, charts, photos, videos to slides stand out
• Invite people to watch presentation
• Save Keynote documents as PowerPoint files
My First Year in the Classroom

"High and Dry"

- This chapter was about a teacher that was prepared for her orientation she had prepared the night before.
- However, when she woke up in the morning her power was out.
- She couldn't shower and do her hair.
- She was overwhelmed and worried she had smelled and her hair had looked bad.

Continued

- One of the students asked the teacher if they were going to whip them.
- She responded with "I don't do that."
- The teacher knew she had a large responsibility and had to build a safe learning environment.
Quizlet

- Brings the paper flashcards to digital format
- To share flashcards sets with students
- Students can create their own flashcards
- Increases student engagement
1. **Balances Literacy Process:** A balanced literacy program include knowing you students individually, balancing both direct and indirect instruction, balanced instructional activities including skills emphasis and meaning emphasis.

2. **Components of Balanced Literacy:** Contains all the components necessary for students to master written and oral communication. Reading, writing, speaking, listening, and viewing.

3. **DAR, DRA, Fluency Probes:** DRA: Developmental Reading Assessment; individually administered, identifies a student's reading level, accuracy, fluency, comprehension.
DAR: Diagnostic Assessment of Reading assesses students in 9 concepts: print awareness, phonological awareness, letters and sounds, word recognition, word analysis, oral reading accuracy and fluency, silent reading comprehension, spelling, word meaning. Fluency Probes: assesses students speed, smoothness, and ease, motivates students and helps them build oral fluency, accuracy, and expression.

4. **Data Chats:** One-on-one student teacher conference where the teacher and student go over all the students work.

5. **Essential Reading Components:** Phonemic awareness and phonics, word identification, fluency, vocabulary, and comprehension.

6. **Examples of Standardized Tests/Non-Standardized Tests:**
Standardized: Reading Running Records
Non-standardized: Mini Lesson

7. **The Fluency Components:** Rate, Accuracy in reading, automaticity, phrasing, smoothness, expressiveness.

8. **Guided Reading/Guided Writing:** Small group instruction; teacher models writing, teacher and student take turns reading then teacher and students discuss.

9. **Independent Reading/Independent Writing:** Students reads or writes alone.

10. **Interactive Writing/Interactive Reading:** Teacher and students read/write and discuss or choose a topic together.

11. **IRI:** Informal Reading Inventory (IRI) is an individually administrative reading test composed of word lists and graded passages that are used to determine students' independent, instructional, and frustration levels and listening capacity levels.

12. **Literature Circle:** An instructional approach in which students meet in small groups to read and respond to a book.

13. **Metacognition:** Students' awareness of their own thinking and learning processes.

14. **Principal #3, and Principal #7:** Principal #3: Effective Teachers Create a Community of Learners: teacher create safe and respectful environment with high expectations, and demonstrating literacy procedures.
Principal #7: Effective Teachers Differentiate Instruction: teachers use different types of assessment, challenge students and use oral, visual, and written formats.

15. **Reading Running Records:** Assesses a student's reading performance from a benchmark book, this test monitors children's ability to recognize high-frequency words, and decode unfamiliar words.

16. **Reading/Writing Process:** Reading Process: a construct process of creating meaning that involves a reader, the text, and the purpose to the social world.
Stage 1: pre-reading
Stage 2: Reading
Stage 3: responding
Stage 4: exploring
Stage 5: Applying
Writing Process: 5 stages that describe what students do as they write.
Stage 1: Prewriting
Stage 2: Drafting
Stage 3: Revising
Stage 4: Editing
Stage 5: Publishing

17. **Schema:** A Cognitive Structure or Mental Profile.

18. **Student Portfolio:** Contains students' work, testing, interest surveys.

19. **Writing Genres:** Descriptive writing, expository writing, and letters, narrative writing, persuasive writing, poetry.
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature Circle</td>
<td>Is small groups of students gather together to discuss a piece of literature in depth.</td>
</tr>
<tr>
<td>Interactive writing</td>
<td>Teacher and students share a pen while composing writing. Both teachers and students help to model writing. Interactive Reading: Teachers and students practice reading.</td>
</tr>
<tr>
<td>Writing Genre</td>
<td>Descriptive writing, expository writing, juxtaposition, narrative writing, persuasive writing, poetry writing.</td>
</tr>
<tr>
<td>Running Reading Record</td>
<td>A record that allows you access to students' reading performance.</td>
</tr>
<tr>
<td>Guided Writing/Guided Reading</td>
<td>Guided writing is when the teacher reinforces writing skills and students do the writing. Guided Reading is when the teacher introduces material at students' instructional level.</td>
</tr>
</tbody>
</table>
| The fluency components | 1. Rate  
2. Accurate in reading  
3. Automaticity  
4. Phrasing |
Socrative

- Engage the whole class with educational exercises and games while capturing student results in real-time
- Quickly assess students with prepared activities
- Create on the fly questions
- Populate results to determine data driven instructional decisions

- Short answer questions
- Quiz
- Exit tickets, bellringers, do-nows
### Procedural Safeguards - Thu Sep 22 2016

#### Table of Scores:

<table>
<thead>
<tr>
<th>Name</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>*****</td>
<td>90%</td>
</tr>
<tr>
<td>*****</td>
<td>80%</td>
</tr>
<tr>
<td>*****</td>
<td>80%</td>
</tr>
<tr>
<td>*****</td>
<td>50%</td>
</tr>
<tr>
<td>*****</td>
<td>50%</td>
</tr>
<tr>
<td>*****</td>
<td>50%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
<th>#7</th>
<th>#8</th>
<th>#9</th>
<th>#10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40%</td>
<td>100%</td>
<td>50%</td>
<td>83%</td>
<td>100%</td>
<td>83%</td>
<td>83%</td>
<td>100%</td>
<td>100%</td>
<td>17%</td>
</tr>
</tbody>
</table>

Click on Question #s or Class Total %s for a detailed question view
Plickers

- Respond to short questions during a lesson to test for understanding.
- Plickers is a solution for more low-tech classrooms.
- Teachers issue cards with choices on them (A,B,C,D). The teacher poses the question and students hold up the card corresponding to the answer they want to give.
- The teacher then uses her phone or iPad to scan across the room.
- Plickers registers the results and feeds it all into a database. It can be used on iPhone and Android devices as well as on the Web and is free.
Plickers
StudyBlue

- Provides learning tools, including flashcards, notes, and study guides
- Students can study anywhere
- Create easy to use digital study materials
- Students can upload class study materials, share electronic flashcards with others
- Creates practice quizzes
<table>
<thead>
<tr>
<th>Writing Genres</th>
<th>Literature Circle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>There are 6 different writing genres: Descriptive writing, Expository writing (explaining something), Journals and</td>
<td>A student centered reading activity in which each member of the group is assigned a role, as the group discusses what they have read. Basically.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interactive Writing/Interactive Reading</th>
<th>Reading Running Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interactive Reading allows students to take more responsibilities for their position.</td>
<td>An assessment tool for scoring and analyzing a student's reading ability and their reading rate. It determines</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reading Running Record ... CONTINUED:</th>
<th>Guided Reading:</th>
</tr>
</thead>
<tbody>
<tr>
<td>In short, the Reading Running Record looks and tests if the student is self-correcting themselves as well as for their</td>
<td>Student Reading in the classroom is the process through which students engage in focused reading of a text, under the guidance of an instructor.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The Fluency Components</th>
<th>Balanced Literacy Program (in detail):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balanced Literacy Program ... Continued:</td>
<td>Balanced Literacy Program (in detail):</td>
</tr>
<tr>
<td>Balanced Literacy Program: Balanced Literacy is a set of instructional practices and resources for improving students' reading skills.</td>
<td>Balanced Literacy Program: Balanced Literacy is a set of instructional practices and resources for improving students' reading skills.</td>
</tr>
</tbody>
</table>
Animoto

- Students use a combination of video and photo content to recap unique and creative work.
- Students can pick a style and song to add a compilation.
- Students can produce and share.
- Can be used for in-class assignments, homework assignments, and explaining content.
Animoto
ClassDojo

- This tool is a fun and easy way to keep track of student behavior.
- Allows teachers to take attendance quickly and give positive or negative reinforcement, depending on a child’s actions that day.
- Each student gets a critter.
- Parents/guardians can get real time updates.
ClassDojo
Book Creator

- Bookmaking to create and publish books
- Students pick images, place text, and choose background colors to assemble books
- Increases student engagement
- Online book can be sent over email, opened in iBooks, and saved in iTunesU
Book Creator

- Example of BookCreator
TeleStory

- It is a video creation tool, cartoon style video
- Allows for project-based, student-owned themed TV show
- Gives background scene, face detecting costumes, cue cards and special effects
- Increases student engagement
TeleStory
Other iPad Apps as a Learning Tool
APPs We Have Used

- iTunesU
- CheckImHere
- Make Beliefs
- Animate Me
- OneNote
- InClass
- KidBlog
- Kindle
- Pinterest
- Prezi
- CommonCore
- TedTalks
- Slack
- Garage Band
- News-o-Matic
- Knowmia
- FreeBooks
- Evernote
- Dragon Speak
- NearPod
- Poll Everywhere
- Spotify
- APA Cited
- Skype
- Lynn Gradebook & Attendance
- Autism iHelp
- Model Me Kids –Autism Emotions
- New York Times
- Video Compressor
Lynn University Contact Information:

- Dr. Kelly Burlison, kburlison@lynn.edu
  - Phone: 561-237-7046

- Dr. Jennifer Lesh, jlesh@lynn.edu
  - Phone: 561-237-7082