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For Good Measure: Assessing the Impact of Game-Based Instruction in the Archives

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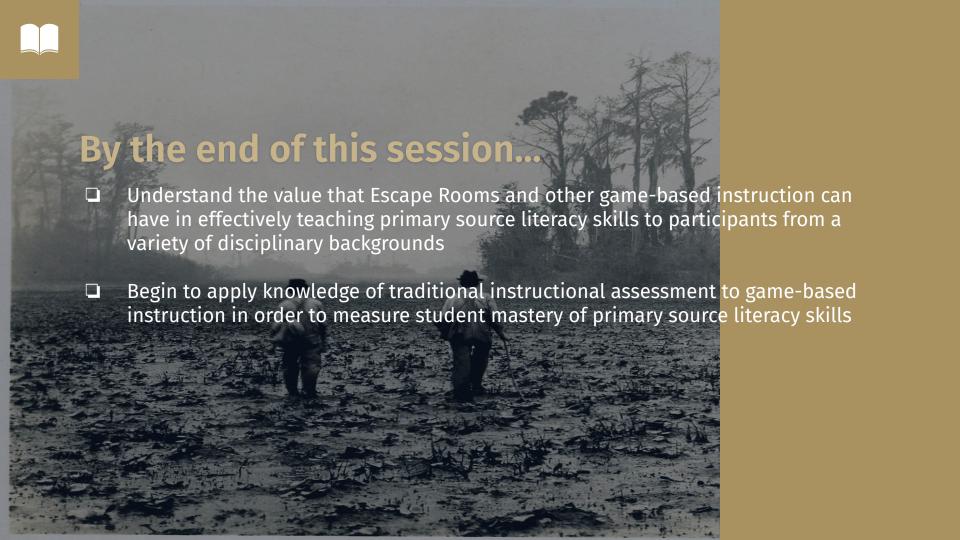
FOR GOOD MEASURE: ASSESSING THE IMPACT OF GAME-BASED INSTRUCTION IN THE ARCHIVES

AUTUMN M. JOHNSON Special Collections Librarian she/her/hers

DAWN "NIKKI" CANNON-RECH Research Services Librarian she/her/hers



Society of Georgia Archivists 202 Annual Meeting November 11-13, 2020







Escape Games at Zach S. Henderson Library

Blind Willie McTell

Simple escape activity aimed at FYE students and centered around the basic research process.

Frankenstein

Created to celebrate the 100th anniversary of Shelley's Frankenstein. Fun was main goal.

Science Ethics Circus

Adapted Escape activity format to allow a large group to participate at same time. Small teams rotated through stations.





Special Collections Instruction

Instructor-led sessions usually targeted a limited number of skills and primary source types







Francis Harper Materials

- Plantlife and culture of the Okefenokee
 Swamp
- **1912-1952**
- Handwritten correspondence, field notebooks, photographs, audio recordings, and film

Used by historians, folklorists, biologists, archealogistists, and geologists.





Designing a Game experience

END GOAL: Skeleton key will unlock steamer trunk to find CONGRATULATIONS & Harper's film reels

A loop of animal sounds will play continuously on a loop. Players will place the animals in order by the sounds playing in the room. Owl, Alligator, Woodpecker, Bobcat Code: →☆

Players will use the cipher over the list of markers to discover five digit letter clue CODE: FIRST

Document with list

of markers will be

hidden in desk

Five (5) portrait photographs will contain groups of people. Number of people in each photo will be the code. Code 45237 Govt Doc will reveal the year to unlock the lock Code: 1937

Key will unlock round tube with govt doc hint

Key to round tube will be hidden in glass bottle Magnet key will be placed on shovel to be used to unlock desk which will have 2 of the notebooks and a govt doc

Players will 'fish' for list of travel dates List of dates for seven of Harper's notebooks. The "missing" notebook date will be the unlock code Code Lock- 4/30/19

Black light will reveal letters next to place names. The order of these letters will be determined by encrypted letter. **Code Lock: FOLKS** To unlock tin box with three notebooks.

Cipher will be hidden inside mess kit which will allow the players to decrypt the letter as Folkston, Chase Prairie, Floyd Island, Mizell Prairie

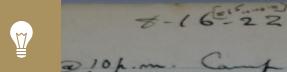
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Key will open container holding Harper's notecards on flora and fauna. Each of these will have a different shape

Key will be hidden in a fake rock which is holding photographs

Cipher will be on a laminated blue index card.





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Puzzle Design Process

like the fregs of

Primary Sources Literacy Outcomes

Task Force.

Inspiration

created using scenarios and the backwards-design and discoveries of our own the Guidelines for researchers became Primary Source Literacy developed by SAA-ACRL/RBMS Joint

the greatest, and most authentic source of

inspiration.

nearly calin. Jamp. =@80° (8.30a.m.); **Puzzle** E.g. "Provide

participants with a list of needed archival











Summative Assessments for Game Design

LibWizard Survey

All faculty and staff that participated in preview game sessions were sent a post-game survey

Focus Groups

Games with faculty, staff, and student teams met with librarians in post-game focus groups to discuss the game, game design, and learning objectives.

Secrets, Sources, and Swamp Feedback

What did you	like most about the	game
experience?		

What did	you l	like	least	about	the	game
experienc	e?					

What is one way to improve the gaming
experience for the University community



Formative Assessments
For Student Learning

Game Puzzles

Completion of multi-step game tasks were, by-design, able to measure students mastery of primary source learning outcomes The Callahan Froy morter than the from a land along the M. Manh last year of the floor of the floor of the floor the identity of the floor the identity of the floor along the identity of the fall sign, we found at night atting about on the banks what the word arouse alligator twamp. They were analy captured, and they were quite now resistant.

Be

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1912 May 1

1918 Apr 30

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Field Notes

May 31, 1921

June 30, 1921

. (Quetinokee)

Gosh out:



Summative Assessments For Student Learning

"Wrap Up" Exercise

Each game session recap where faculty participant question and facilitated an i directly targeting interest.

Assessment Science Majors

Secrets, Sources, & Swamp: An Escape Activity Celebrating National Archives Month

1. How did the Okefenokee Swamp region change once it became protected land? Use the current literature and advertisements for the swamp to help answer this question. List three ways you think this region shifted its focus (or changed) since Harper's research.

2. What was Francis I 10 54034

1. What type of mate

Okefenokee? A

*Review the image below of pages taken from samples of Harper's Field Notes and compare it with the current Field Notebook provided:

3. How can scholars	*Review the image below of pages taken from samples of Harper's Field Notes and compare it with the current Field Notebook provided:
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Too many people Film, record to document the angle of the second floor Too many people Film, record to the second floor Too many people	
Film, recordings, pictures To look at their culture and see hir Talk about how it has changed from Some things were Field netes/Film Record without and see hir Talk about how it has changed from Somethings were Field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from Somethings were field netes/Film Record without and see hir Talk about how it has changed from the film and the f	Ca Wand State State Late
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May 1912 Research papers, first hand sources to the library/archives May 1912 The desk with all Biology notes Double the history of the swar Research papers, first hand sources to the library/archives May 1912 The desk with all Biology notes about the 17 preserve and document the wir To seek hand sources and the description of the swar Research papers, first hand sources Zach Henderson Library/Arc May 1912 To teach Henderson Library May 1912 The desk with all Biology notes about the 17 preserve is significance in hist To educate about Georgia's history Zach Henderson Library 1912 Top was a like Pictures notes (fin bod To document the oil Description State (Fin Bernard Carbon) Blank Zach Henderson Library 1912 Zach State (Fin Bernard Carbon) The count was a like Pictures and the Sach State (Fin Bernard Carbon) The count was a like Pictures and the Sach State (Fin Bernard Carbon) The count was a like Pictures and the Sach State (Fin Bernard Carbon) The count was a like Pictures and the Sach State (Fin Bernard Carbon) The Carbon Sach Sach Sach Sach Sach Sach Sach Sach	Jan 1936 Caman 10 hope the trade of clark win straw colors lay & feet minutes, 3 layer me there by half grand apparently about 1937 Reservoir of the Of the of the of the color of the Colo
Learny Field notes — South Honderson Library — May 1912 — Such Honderson Library — May 1912 — Such Honderson Library — — Such Honderson Library —	1937 Carety the Q later of the analysis the carety of the



Summative Assessments For Student Learning

Instructor-Led Activities

Many of the "preview" faculty offered the escape game activity as a credited opportunity in their courses. These opportunities came with additional requirements from the instructors that were shared with librarians at a later date

Escape Room Reflection on the Secrets, Sources, and Swamps I went to the escape foom located in Room 4206 of the library. During this experience, I exercise tearning about a special collection called services, exargos, and evanous by: Iwent to the escape room located in Room 4206 of the library. During this experience learning about a special collection called severes, sources, and swamp by Granes Harner. His career consisted of being a Cornell-trained frantalist. He studies whan by got to experience learning about a special collection called severes, sources, and swamp by Francis Harper. His curver consisted of being a Cornell-trained naturalist. He studies pleat the Okerfenokee Swamp and the Cultures within the swamp. In this activity, one and four other Francis Harper. His cureer consisted of being a Cornell-trained naturalist. He studies plant life in the Okefenokee Swamp and the cultures within the awamp. In this activity, me and four other would be a niceo of cake. Once the timer stanted were Assisted that this game would be harder than we thought.

To start off, we had to read a couple of pieces of his work and look some of those

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the couple of his work and look some of hi To start off, we had to read a couple of pieces of his work and took some of shoes clues in each corner of the from There were multiale learness from his frie that there a your inside the escape room with us. Once we got inside, we saw the swamp and many mysterious gives in each corner of the room. There were multiple journals from his trip that were a part of the class. We were confused until we noticed the dates on the iournals. We thought that had figures in each corner of the room. There were multiple journals from his trip that were a particle. We were confused until we noticed the clases on the journals. We thought that does not the force of the locks on the journals. We thought that the constraint of the does not the locks on the locks of the locks of the locks. the clues. We were confused until we noticed the dates on the Journals. We thought that has something to do with one of the answers to one of the locks on the boxes. We kept locking a second to the source of the rowth and from it reflects. something to do with one of the answers to one of the locks on the boxes. We kept locking around I was rrying to figure out the dute card we got outside of the room and how it reflected back onto the lournals. We found many nictures that had clues on them setting the first lock to ancaed. I was rying to figure out the date eard we got outside of the noom and how it retreeted he many pictures that had cluss on them getting the first lock on the Okedenokee Swamp and we looked through hack onto the Journals. We found parry pictures that had clues on them getting the first lock to be unlocked. We saw the map that he took on the Okerfenokee Swamp and we looked through many of his findings. We keet finding clues like letters on the man found with a black light. The he unlocked. We saw the map that he took on the Okefenokee Swamp and we looked through many of his findings. We kept finding clues like letters on the map found with a black light. That another answer to one of the locks. Eventually we found out with the lournals were many of his findings. We kept finding clues like letters on the map found with a black life lad another answer to one of the locks. Eventually we found our why the journals were sometimens and found our the clue from them to unlock another lock. Many of the clues to had nother answer to one of the locks. Eventually we found out why the journals were significant and found out the clue from them to unlock another lock. Many of the dates were small or the whole study consisted of 20 years. From 1012 to 1041. We could not a significant and found out the clue from them to unlock another lock. Many of the dates were significant because his whole study, Consisted of 39 years, from 1912 to 1951. We could not open Fach one of the learnals had a title and dates. shifteant because his whole study consisted of 39 years, from 1912 to 1921. We could not oper to journals because it was not available to open. Each one of the journals had a title and dates. med that's how Francis Harper documented his trip in journals.

After many minutes of trying to solve this Pouzle, we finally unlocked the last lock and to the close which occupied on to a beautiful Genoratalistics when with Gandy as Sound After many minutes of trying to solve this puzzle, we finally unlocked the last lock and the key to the cheek which epened up to a beautiful Congenitations sign with early as the factor of the factor or out to so. Teamwork was a bie fact of y found the key to the chest which opened up to a beautiful Congratulations sign with candy as the apparently broke the record of the fastest group to go. Teamwork was a big part of this continuous working together and combining our brain Dower, we would mobably still be in reast. We apparently broke the record of the fastest group to go. Teamwork was a big part of this storm fleating it out.

Out that room fleating it out.

Out to be an income the storm of This bonus point opportunity reminded me of the time when I was in middle school. In allieure and many I lilv tude. A counte of veurs cassed since I have been to the Okefenokee Swamp, I remember seeing an allieure and many I lilv tude. A counte of veurs cassed since I have been to the Okefenokee. the 6th grade, we actually took a field trip to the Okefenokee Swamp. I remember seeing an aligator and many Lilly Pads. A couple of years passed since I have been to the Okefenokee saamn until my family traveled to St. Sintons when I was in 9th grade where I not to no back alligator and many Lilly pads. A couple of years passed since I have been to the Okeferokee swamp until my family traveled to St. Stimons when I was in 9th grade where I not to go loak to the Charles along the Charles along the Sammy to your the last time I heard about the Sammy to the Samm Ass from all the fires they were having in 2017. A wildfire bad broken our and it made me so
because it's a cool tourist site to visit and learn some material about wildfire and swamp line
with dains this ecourse room. I not to bring back a little of ery childhood. Reminifed
in the course of the As it is a cool tourst site to visit and learn some material about wildlife and swamp life.

With doing this escape room, I got to bring back a little of my childhood. Reminded me

trine use nock way back when I liked this beaus entire or my childhood. Reminded me

are the contraction of the contr of the trips we took way back when I floot to bring back a little of my childhood. Reminded re-biceron, Income mixed with a little bit of biology. The more easistiving rear was when we found of the trips we took way back when. I liked this beaus point opportunity because it's a cool instance, lesson mixed with a little bit of biology. The more satisfying part was when we found that here are a subject, the object and see the cancy. The only thins I did not particularly like was the history lesson mixed with a little bit of biology. The most satisfying part was when we found that final key to unlock the chest and get the cardy. The only thing I did not particularly like was the most satisfying part was when we found that so side about 1 for size I was heiner recent for somethine I had no rides about final key to unlock the chest and get the eardy. The only thing I did not particularly tike was page we had to fill out after. I for like I was being tested for something I had no idea about the I tondescand why they make college endenns fill it out. They don't want page we had to fill out after. I felt like I was being tested for something I had no idea about before that day, but I understand why they make college students fill it out. They don't want us to lust walk away from that without learning anything. I learned about a new historic finure and before that day, but I understand why they make college students fill it out. They don't want us to just walk away from that without learning anything. I carned about a new historic fluora on it is coughered to make his journey, he used a lot of unfamiliar nieces of ecuinment to make his to just walk away from that without learning anything. I learned about a new historic figure researce during his journey, he used a lot of unfamiliar pieces of equipment to make



"The actual film reels can be found in the archives of the library along with other items. I genuinely enjoyed this escape room because I actually learned a lot from it. I never knew that film was a popular way to show research back in the 1900's. I was also surprised at how many interesting artifacts are held in our library."



"....that everyone was willing to get "hands-on" with something and invest their time into other people and think from a perspective that does not only center around benefitting their own lives or situation..... helped to unify a small group of strangers, educate them in a creative and involved way, which kept the group "on-track"; providing a new and innovative teaching strategy to education that may be a better way to learn (more expensive maybe, but better all the same) for visual learners like myself, that find it hard to learn information via lectures, readings etc.."



"I was really impressed with how well set up everything was given the limited amount of space. They did very well depicting being in the swamp and bringing it to life with the swamp noises and scenery."

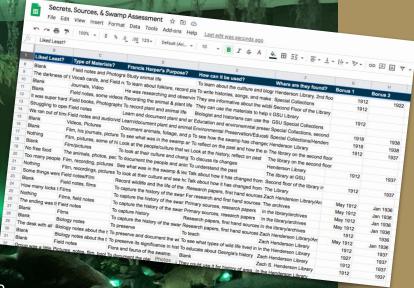


"The room set up was so cool! They had transformed the room into the swamp. The room was dark, it had water, gators, a cot, a campfire, and nature sounds. The props and decorations of the room were very well done and made the game even more fun."



What did we learn?

- Assessment should be about continuous improvement
- Varying assessment measures can capture more robust data even within a small population or limited amount of time
- Quantitative and Qualitative data is a meaningful way to articulate program value





Thanks! bit.ly/gamesinarchives

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