

eduActiv8: Usability Test Plan (Literacy)

PURPOSE

- ❖ Sessions: See how children interact with mobile interfaces of the app

TASK & SCENARIOS

Scenario:

- ❖ You are at home trying to review for your upcoming Language Arts Test. Your teacher typically tests you on matching, spelling, and writing skills; so you are looking for an application that will help you review these topics. A friend mentions EduActiv8 to you and states how it helped them ace last week's Language Arts Exam.

Tasks:

- ❖ Visit EduActiv8 select your level and language
- ❖ Trace 3 letters
- ❖ Trace 3 numbers
- ❖ Complete 4 activities where the primary goal is to choose the correct word that pairs with one of the six pictures displayed.
- ❖ Complete 4 activities where the primary goal is to spell five words correctly.

MEASUREMENT METRICS

- ❖ Subjective Measures (*questions to ask before, during, & after*):

Questions Before:

- What are your favorite alternative learning methods outside the classroom?
- Do you read for fun?
- What are your favorite ways to read?
- Is English your native language? If not, what is?
- When using your mobile device do you use a style pen?

Questions During/After:

- Did any of the directions or icons confuse you? If the directions or icons did confuse you, what do you think they mean?
- What was your process of navigation and why?
- What level did you choose? And why?
- How did you know what level to choose?
- Were there any difficulties you faced while interacting with the app?
- Were you able to complete more tasks than the ones stated above?

- ❖ Objective Measures (*collective data, quantitative*):

- Are students able to understand how to operate the app without verbal instruction?
- Were there any topics that you thought would be covered in the application but weren't?
- On a scale of 1 (lowest) to 10 (highest), how would you rate your interest level with the application?
- On a scale of 1 (lowest) to 10 (highest), how difficult was the content for your chosen level?
- What are your thoughts on the content organization?

Procedure

- ❖ Welcome participants and state why they are here.
- ❖ Briefly explore the homepage and have participants select their level and language that they will be exploring.
- ❖ Explain that each participant will have 15 - 20 minutes to interact with the interface.
- ❖ While engaging with the interface participants are expected to explore as many sections as possible until the moderator states that time is up.
- ❖ Upon finishing the aforementioned tasks, participants will be asked a short series of debriefing questions to aid in collecting qualitative data related to EduActiv8.
- ❖ Ask if the participants have any questions before they depart from the testing facility.
- ❖ Conclude by thanking the participants for assisting in the study.

Roles Of Moderator

- ❖ *Write out instructions (procedure), prompt for participants (DON'T SAY: "test, evaluate, examine")*
- ❖ Welcome participants
- ❖ Provide info if questions are/are not allowed
- ❖ Describe the testing setup
- ❖ Reassure the participants they are **not** being tested
- ❖ Explain what is expected of them
- ❖ Debrief participants and thank them for their participation

Participants

- | | |
|-----------------------|-----------------------|
| ❖ Respondent 1: Child | ❖ Respondent 4: Child |
| ❖ Respondent 2: Child | ❖ Respondent 5: Child |
| ❖ Respondent 3: Child | ❖ Respondent 6: Child |

Schedule & Location

- ❖ Hillandale Elementary School Students at Durham Public County Library.
- ❖ 221 Milton Rd, Durham, NC 27712