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Investigation effective factors into reading online arabic textbook for learning by children age 9 to 12

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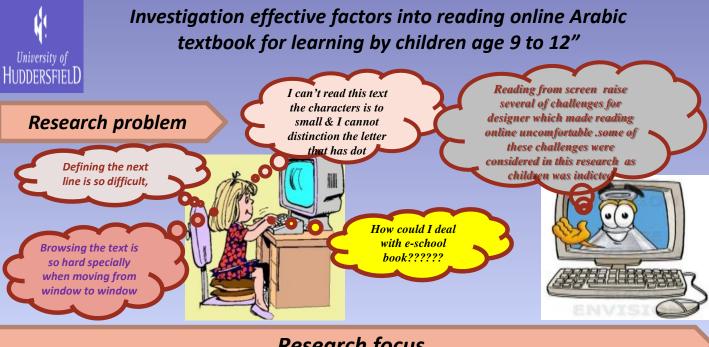
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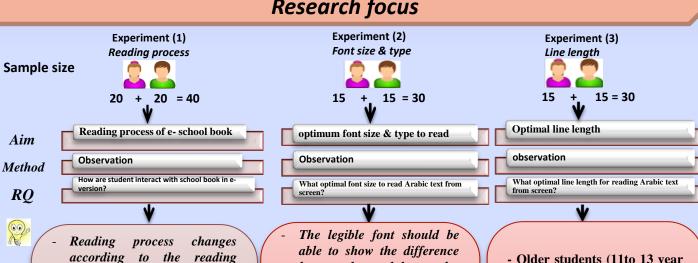
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## Research focus



- according to the purpose and type of recourse
- Reading process effect by the type of material & the aim of using the material.
- Reading action & interaction changes in each version of school book [e- book & paper book].
- students usually use strategies when reading a school book: scanning and comprehension reading strategies. Each strategy requires specific tools and techniques.

- between dots and the vowels.
- The effects of character size on participants' were more significant than characters type in Arabic language.
- reading speed is generally slower in font size 14 and 16 as well in 10 between the low reading groups, especially in age 10.
- font size 14 and 16 is readable for reader age 12 and over and can be used to display Arabic text form screen.

- Older students (11to 13 year old) are faster when skimming double column, while, student age 9 are batter in single column.
- Younger students are due back the slow in reading text display on screen in double column to difficulty scrolling the text where their experience in using computer tool especially mouse was weak.
- Designer should scrolling through online text.



Recommendations: designers should take into their account the following points when defining the optimal font size;

- Identify reader skill based on age and education level as first step for designing e- text.
- Create a way increases the ability to focus vision when moving from one line to another.
- Reading online influenced by several of factors such as readers' age and education level.