

Information Design Education as Unplugged Computer Science Using School Library: Exercises of Information Organization Based on LATCH

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Abstract. In digital education, information needs to be organized in an appropriate manner. Therefore, the demand of information design education is increasing. Since information design includes a variety of contents, its education is diverse. Among them, the information structuring (information organization) was focused on this research. This research proposes exercises using the school library as information design education in secondary education. To organize the resources in a library, two types of structuring are used: classification and cataloging. These structurizations are useful as teaching materials for unplugged computer science in the study of information design. The exercises proposed in this study are based on R. S. Wurman's LATCH (The Five Ultimate Hatracks: Location, Alphabet, Time, Category, and Hierarchy) and involve organizing the resources of the school library in various ways. Through the exercises, students will learn the importance of organizing information, and how the way they organize information can change the way they see it. To utilize the school library for digital education, human cooperation between the teachers of information education and the school librarians is indispensable. For this reason, teachers of information education need to be aware of the value of school library on a daily basis. In an age when the organization of information and data is becoming more and more important, such as in the use of big data, classroom practices that utilize not only computers but also school libraries are expected to have a high educational effect.

Keywords: Information Education, School Library, Information Design, Information Organization, LATCH, Unplugged Computer Science.