**Nakaoka, M. , Shirota, Y., & Tanaka, K. (2005). Web information retrieval using ontology for children based on their lifestyles. *21st International Conference on Data Engineering Workshops (ICDEW'05),* 1260 .**

Keywords: Information retrieval, helping children search the web, easy retrieval, dynamic ontology, kid’s lifestyle ontology.

There is a need for young students to be able to search the Web without having to weed through all of the wild information that is obtained in a typical search. Nakaoka, Shirota, and Tanaka (2005) suggest the development of a Kid’s Ontology Retrieval System to help students narrow their search to only retrieve relevant information. Nakaoka et al.

(2005) would like to create a dynamic database of information about each student. This dynamic database would include demographics, personalities, likes, dislikes, strengths and weaknesses. The database would have the capability of being updated by parents directly or via blogs and wiki.

This dynamic database would also be capable of updating itself by conducting keyword searches through blogs and wikis as well as through other databases found on the Web which keep statistics about what is currently popular with young children. The Kids Lifestyle Ontology database would store individual students past searches along with

student ontology’s so that based on all of these factors it could more accurately predict what a student may be searching for.

The Kids Lifestyle Ontology database offers more opportunities for further research. For example, research could be done to help find ways to assist blog search engines in looking for idea phrases instead of only nouns. Advanced research could be done on using pictures in search engines that are connected to ontology databases to help children search more effectively. Also, research could be done on using a multitude of

databases to update children’s ontology’s based on current trends in youth purchases, popular entertainment choices, popular music, favorite games, etc.