Classic

Karl Maton
2013

Contemporary

Paul Curzon
2019

In Brief

Although a lot newer than most of the other Classic to Contemporary subjects, the concept of Semantic Waves is integral to the effective teaching of Computing. The ability to deconstruct an abstract concept and give relevant, real world examples to assist understanding, then repack that concept back into a computing context so they can apply what they have learned is crucial. Paul Curzon's work is directly based on Karl Maton's, and they worked together to author a number of papers on the use of semantic waves.

Important Literature Links

Maton, 2013. Making semantic waves: a key to cumulative knowledge-building. Linguistics and Education 24, 8-22 (2013).

Curzon, P., Waite, J., Maton, K. and Donohue, J. (2020). Using Semantic Waves to Analyse the Effectiveness of Unplugged Computing Activities. [online] 10. Available at: https://qmro.qmul.ac.uk/xmlui/bitstream/handle/1234567 89/66685/Waite%20Using%20Semantic%20Waves%20202 0%20Accepted.pdf?sequence=2&isAllowed=y [Accessed 23 May 2024].

Raspberry Pi Foundation Publications. (n.d.). Hello World: The Big Book of Computing Pedagogy. [online] Available at: https://publications.raspberrypi.org/products/the-big-b ook-of-computing-pedagogy [Accessed 23 May 2024].