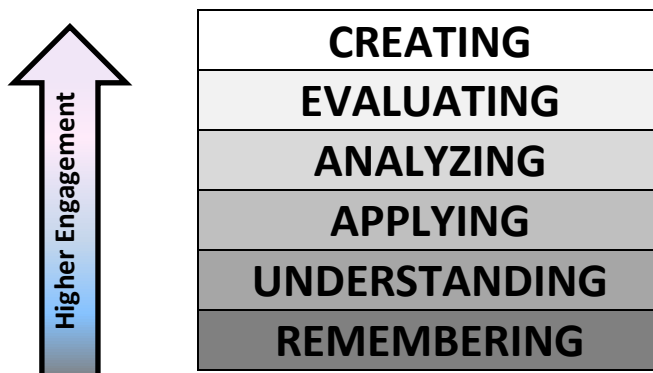


What do we mean by *Higher-Order Thinking Skills*?

Higher-order thinking skills move beyond understanding and remembering knowledge. The focus is on interpreting, analyzing and evaluating information with a set of reflective attitudes, skills and abilities. Higher-order thinking guides the creation of new thinking, beliefs and actions. One example of a framework for higher-order thinking, as shown below, is Bloom's Taxonomy.



"As teachers give students opportunities to seek answers to questions that are interesting, important and relevant to them, they are enabling them to address curriculum content in integrated and "real world" ways and to develop – and practise – the higher-order thinking skills and habits of mind that lead to deep learning." Inquiry Based Learning Monograph, Capacity Building Series, LNS, May 2013

Skills that promote higher-order thinking include, but are not limited to, *creativity, communication, and collaboration*.

Examples:

Language

**What is beautiful? What is kind? What is good?
Is citizenship about more than where we were born?**

IQ: A Practical Guide to Inquiry Based Learning, 2014

Mathematics

How can multiples be used to solve problems?

Edugains, Asking Effective Questions monograph, 2011

Canadian and World Studies

What is the relationship between people's beliefs and values and their positions on civic issues?

Ontario Curriculum, Canadian and World Studies, Revised 2013

Resources:

Asking Better Questions Monograph, Capacity Building Series, LNS, July 2011

http://www.edu.gov.on.ca/eng/literacynumeracy/inspire/research/cbs_askingeffectivequestions.pdf

Ontario Curriculum, *Canadian and World Studies*, Grades 9 & 10, Revised 2013

<http://www.edu.gov.on.ca/eng/curriculum/secondary/canworld910curr2013.pdf>

Inquiry Based Learning Monograph, Capacity Building Series, LNS, May 2013

http://www.edu.gov.on.ca/eng/literacynumeracy/inspire/research/CBS_InquiryBased.pdf

Natural Curiosity, A Resource for Teachers: Building Children's Understanding of the World through Environmental Inquiry, 2011

<http://www.naturalcuriosity.ca/pdf/NaturalCuriosityManual.pdf>

Getting Started with Inquiry Monograph, Capacity Building Series, LNS, October 2011

http://www.edu.gov.on.ca/eng/literacynumeracy/inspire/research/CBS_StudentInquiry.pdf

A Rich Seam: How New Pedagogies Find Deep Learning, Michael Fullan and Maria Langworthy, 2014

http://www.michaelfullan.ca/wp-content/uploads/2014/01/3897.Rich_Seam_web.pdf

Transforming Learning Everywhere, HWDSB, 2014

<http://www.hwdsb.on.ca/wp-content/uploads/2012/05/tle.pdf>

IQ: A Practical Guide to Inquiry Based Learning, Jennifer Watt and Jill Colyer, 2014

Comprehension and Collaboration: Inquiry Circles in Action, Harvey Daniels and Stephanie Harvey, 2009