Design Thinking in Secondary Schools as a Foundation for Professional Work

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Abstract: We discuss methods and resource we might apply in mapping an incremental pathway for developing Design Thinking capability, from secondary schools through post-secondary to "industrial-strength" Design Thinking processes in professional work. Design Thinking is becoming a go-to tool for fostering innovative solutions in the corporate, public and social sectors. Design Thinking is now commonly taught in post-secondary institutions and has started to appear in secondary school curricula. In an educational setting, especially in secondary schools, there are logistical practicalities which can make it difficult to deliver an in-depth Design Thinking experience. There also many open questions about the incremental progression of Design Thinking capabilities across these levels of cognitive development and personal maturity.

The discussion leaders are part of a Canadian academic-workplace collaboration for applied research and innovation in developing capability for the future of work. That has included a partnership with IBM's global design lead to use IBM's Enterprise Design Thinking as a case study in university Design Thinking classes (with the option for students to qualify for one of IBM's Design Thinking digital badges).

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