



White Paper

To: Winchester Public Schools
From: David C. Petty
Subject: Career & Technology Education
Date: 2018/08/31

1 Background

During the 2012-2013 academic year, I worked closely with Technology / Engineering Teacher Rich Monagle and Interim Assistant Superintendent Dick Robbat to develop a comprehensive plan for education involving science, technology, engineering, and mathematics (STEM) in the Winchester public schools, grades K-12.

1.1 Technology

The word 'technology' is fraught. It comes from the Greek word *τέχνη*, meaning both *art* and *craft*, and the Greek suffix *λογία*, meaning *system of* — hence the English definition: *the practical application of knowledge, or a capability so enabled, or a specialized aspect of it.*

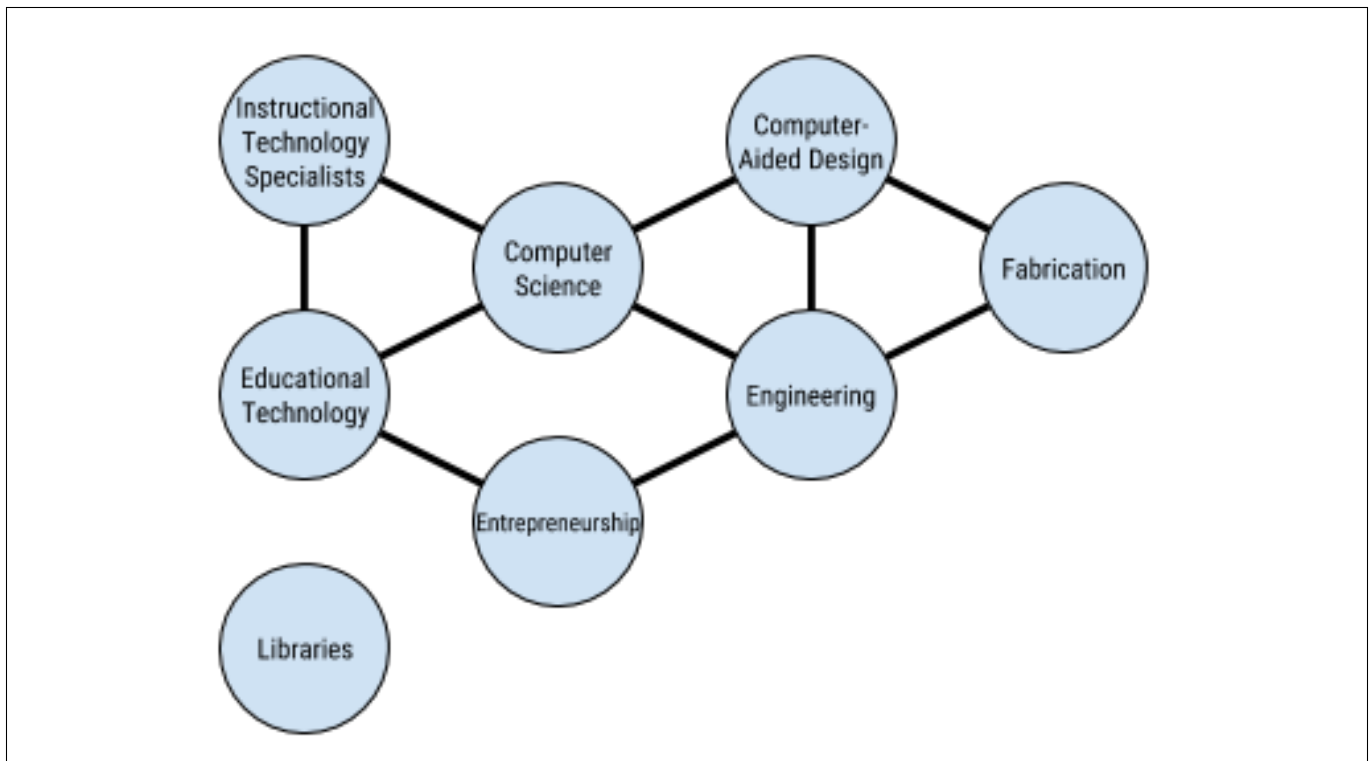


Figure 1: Career & Technology Education Organization

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Figure 2: Career & Technology Education Course Sequences

2 Acknowledgments

Thanks to Rich Monagle and Dick Robbat for many thoughtful meetings and the many hours of work

that resulted in this plan.

List of Figures