



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.*

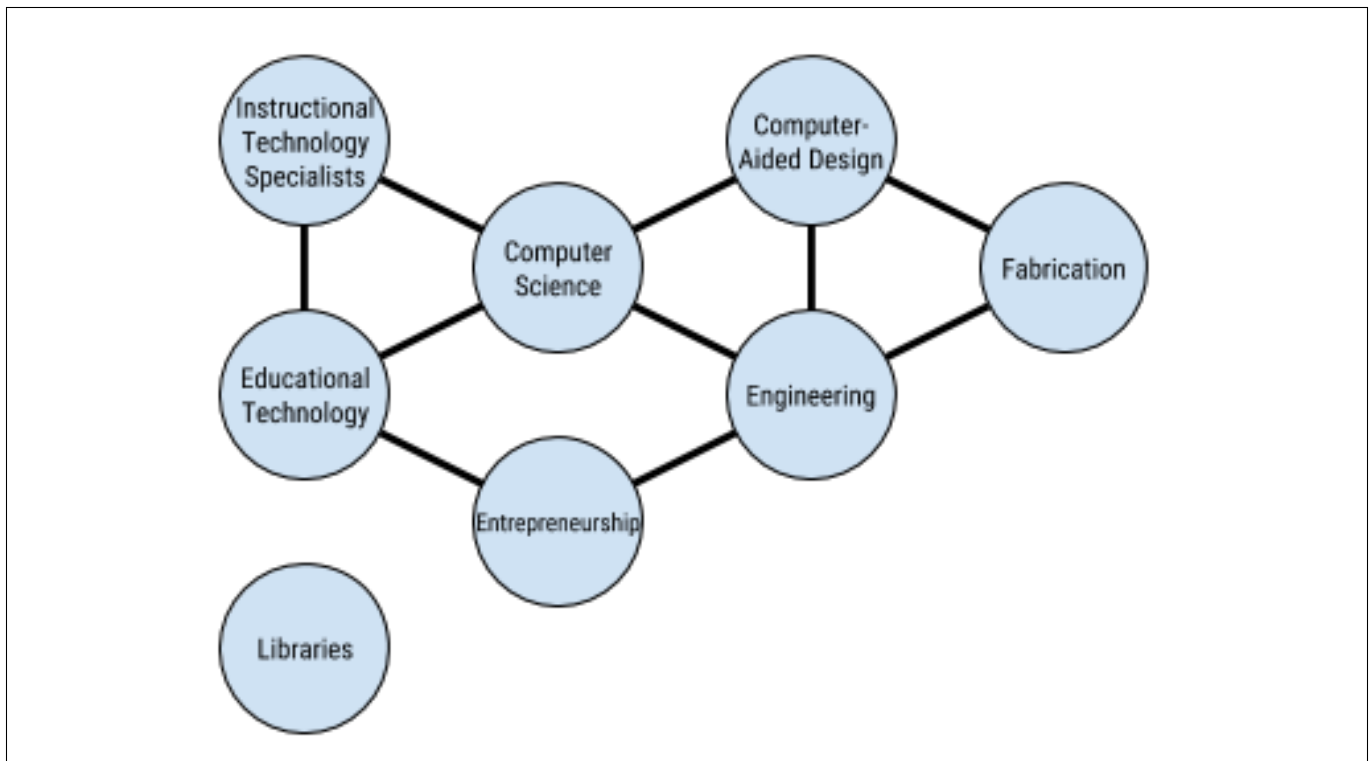


Figure 1: Career & Technology Education Organization

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mau-

ris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus



et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris. In Figure 1.

FOO	FOO	FOO	FOO	FOO	FOO
► FOO ► BAR	► FOO ► BAR	► FOO ► BAR	A	B	C

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

1	CTE Organization	1
2	CTE Courses	2