

**Gold Collar**

**Construction Engineering Technology- Gold Collar Program**

**TCJ3C2**

This course focuses on residential and light construction systems related to commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment and methods used in the light construction industry; structural analysis and design; presentation and working drawings; and auxiliary systems. They will also estimate materials and labour costs; study industry standards and building codes; consider health and safety issues and energy conservation; and explore careers and the impact of construction technology on society and the environment. KPRDSB requires that all students in technology classrooms wear CSA approved(green patch) safety footwear.

**COURSE NOTE:** Students must complete an application and selection interview.

**CREDIT:** 2

**TYPE:** College

**GRADE:** 11

**COREQUISITES:** If you take this course, you must also take TCJ3CD - Construction Engineering Technology - Gold Collar Program

**Construction Engineering Technology - Gold Collar Program**

**TCJ3CD**

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field.

**COURSE NOTE:** To apply for Gold Collar program: Select the appropriate codes online for option selections. Complete a co-op application form available from your homeroom teacher, guidance or the co-op office (Room 234) and staple to your parental approved option sheet. Attend an interview.

**CREDIT:** 2

**TYPE:** College

**GRADE:** 11

**COREQUISITES:** If you take this course, you must also take TCJ3C2 - Construction Engineering Technology- Gold Collar Program

**Construction Engineering Technology - Gold Collar Program**

**TCJ4C2**

This course focuses on advanced residential construction, more complex construction systems and the introduction of heavy construction related to commercial, industrial and/or recreational construction. Students will learn about the tools, materials, equipment and methods used in the light and heavy construction industries; structural analysis and design; presentation and working drawings and auxiliary systems. They will also estimate materials and labour costs, study industry standards and building codes; consider health and safety issues; explore energy conservation, careers and the impact of construction technology on society and the environment. KPRDSB requires that all students in technology classrooms wear CSA approved(green patch) safety footwear.

**COURSE NOTE:** To apply for Gold Collar program: Select the appropriate codes online for option selections. Complete a co-op application form available from your homeroom teacher, guidance or the co-op office (Room 234) and staple to your parental approved option sheet. Attend an interview. \*If student does not have the prerequisite other related experience or courses will be considered on an individual basis.

**CREDIT:** 2

**TYPE:** College

**GRADE:** 12

**PREREQUISITE:** TCJ3CD - Construction Engineering Technology - Gold Collar Program or TCJ3C2 - Construction Engineering Technology- Gold Collar Program

**COREQUISITES:** If you take this course, you must also take TCJ4CD - Construction Engineering Technology - Gold Collar Program

## Gold Collar Program [4 Credits]

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### Construction Engineering Technology - Gold Collar Program

TCJ4CD

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment, and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and will explore career opportunities in the field.

**COURSE NOTE:** To apply for Gold Collar program: Select the appropriate codes online for option selections. Complete a co-op application form available from your homeroom teacher, guidance or the co-op office (Room 234) and staple to your parental approved option sheet. Attend an interview. \*If student does not have the prerequisite other related experience or courses will be considered on an individual basis.

**CREDIT:** 2

**TYPE:** College

**GRADE:** 12

**COREQUISITES:** If you take this course, you must also take TCJ4C2 - Construction Engineering Technology - Gold Collar Program