***Oakwood Collegiate Institute***

*991 St. Clair Ave, West. Toronto, Ontario M6E 1A3 416-393-1780*

*Website:* [*http://schools.tdsb.on.ca/oakwoodci/*](http://schools.tdsb.on.ca/oakwoodci/)

***Course Outline:***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Academic Year 2019-2020*** | | ***Teacher Name: J. Flynn*** | |
| ***Department: Tech*** | | ***CL / ACL: M. Abdelmassih*** | |
| **Course Title** | Construction Eng. | **Course Code** | TCJ4C |
| **Prerequisite** | TCJ3C | **Grade** | 1 |
| **Level** | College | **Credit Value** | 1.0 |

|  |
| --- |
| **Course Description** |
| **Ontario Ministry of Education Document: 2009 Revised The Ontario Curriculum Grades 11 and 12 Technological Education** |
| 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. |
| **Textbook and Other Resources:** No Text |

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Overview: Instructional Strands/Units** | | | |
| ***Unit Titles*** | ***Approximate***  ***Timeline*** | ***Unit Description*** | ***Assessment & Evaluation Tasks*** |
| Measuring, Layout, Reading Drawings | 25 | Explore the use of appropriate measuring systems, layout tools and techniques | Assgt’s, quizzes, projects |
| FRAMING | 20 | Roof framing estimating, layout and assembly procedures as outlined in Ont. Bldg. Code | Assgt’s, quizzes, projects |
| MECH’L | 20 | Procedures for installation of mechanical systems within the house and there impact on the building envelope | Assgt’s, quizzes, projects |
| FINISHING | 20 | Procedures for wall finishing, estimating and installation procedures | Assgt’s, quizzes, projects |

|  |
| --- |
| **Learning Supports for Students** |
| Supports for Students with Individual Education Plans (IEP’s)  Subject teachers provide accommodations and modifications as outlined on student IEP’s. Supports may include: organizational support, additional time, graphic organizers, reduced work load, chunking of information, note-taking assistance, assistive technology (computer), preferential seating. |
| Extra Help   * Teachers post the time that they are available for extra help in their classrooms. Students are encouraged to speak with their teachers to arrange other times as required. * Students can also see their Guidance Counselor for information on other academic supports available. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Student Evaluation Criteria** | | | |
| **Term Work** | | **Culminating Activities** | |
| **Curricular Strands** | |
| Knowledge/Understanding | 15% | Final Project | 30% |
| Inquiry/Thinking | 15% |  |  |
| Communication | 10% |  |  |
| Application | 30% |  |  |
| *Term Work 70%* | | *Culminating Activity Total 30%* | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Report Card Schedule** | | | | |
|  | **1st Report Card** | **Interim Report Card** | **2nd Report Card** | **Final**  **Report Card** |
| **Report Cards** | Nov. 20, 2019 | Feb. 7, 2020 | April 16, 2020 | June 28, 2020 |
| **Parent-Teacher Interviews** | Nov. 28, 2019 | Feb. 13, 2020 |  |  |

|  |
| --- |
| **Assessment of Learning Skills** |
| **Independent Work** – Uses class time appropriately to complete tasks |
| **Collaboration** – Accepts various roles and an equitable share of work in a group. Assists others when asked and asks for help when needed. Works to keep a safe shop atmosphere. |
| **Organization** - Arrives to class prepared and on time, meets deadlines with quality work and maintains a complete notebook |
| **Responsibility** – Fulfils responsibilities and commitments within the learning environment |
| **Initiative** – Looks for and acts on new ideas and opportunities for learning |
| **Self-Regulation** – Sets own individual goals and monitors progress towards achieving them |

|  |
| --- |
| **Department Expectations, Policies and Procedures** |
| Student safety is the number one concern while working in the shop. All general safety rules and machine specific rules are to be followed at all times. Never use any equipment without having received and understood safe operating procedures from the qualified tech teacher. A clean workspace enables safe habits. Students are expected to maintain the shop/lab. This includes the daily cleaning of the shop and proper storage of materials and tools. Report any broken or missing tools.  Daily attendance is vital for success in Tech courses. Students are expected to arrive on time for every class and be prepared to work.  **PUNCTUALITY** – When the bell rings, students are expected to be at their desks / benches, with notebooks and materials out, ready to begin. If you do arrive late enter the shop without disturbing the rest of the class.  **ATTENDANCE** – If students are absent, they are expected to bring a note explaining the absence and to complete missed work.  **ACADEMIC HONESTY / PLAGIARISM**: page 15 of your agenda detail policies regarding academic honesty.  **FOLLOW THE BEHAVIOUR EXPECTATIONS** – Please see the agenda pages 8-10 |