

**75 Mary Street - Brampton, Ontario – L6W 3K5**

**Cardinal Leger Secondary School**

*We believe that each one, created in the image and likeness of God, is called by name into the Dufferin-Peel community to realize the Ontario Catholic School Graduate Expectations to the fullest possible as we all journey from the early years to vocation.*

**COURSE OUTLINE**

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| --- | --- |
| **Department:** | Art & Technology Department |
| **Course:** | Grade 10 Transportation Technology |
| **Course Code:** | TTJ 2O1 |

**Course Overview:**

In this course, students study a cross-section of Transportation Technology topics. Students will gain insights into these areas through research projects, industry visits, and practical, hands-on experience. Students learn measurement systems and methods; the analysis and function of major system vehicle components; the impact of transportation systems on the environment; communication skills; and transportation related career expectations.

Four units are identified, reflecting the overall and specific expectations for Gr. 10 Transportation. These units are selected because they offer an opportunity to include a wide rage of learning opportunities, especially real life skills such as health and safety in any work environment as well as the experience of learning what to expect in the work industry of automobiles.

**Ministry/ICE Curriculum Documents**

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| --- | --- |
| **Strand/Unit Title** | **Corresponding Catholic Graduate Expectation Indicators for each Strand/Unit** |
| ***Theory and Fundamentals**** Explain how engines work to produce power, and identify the function and explain the maintenance requirements of the cooling, lubrication, and fuel systems;
* Identify and explain the major systems and components of vehicles
 | CGE5a, CGE5bCGE2b, CGE3c |
| ***Skills & Processes**** Perform basic service on various vehicles
* Demonstrate the safe and correct use of a variety of maintenance and repair techniques for servicing powertrain components
 | CGE6eCGE4f |
| ***Impact & Consequences**** Demonstrate an understanding of ways in which various aspects of the transportation industry affect the environment and ways in which harmful effects can be remedied or reduced;
* Demonstrate an understanding of and compliance with occupational health and safety regulations and standards in transportation technology
 | CGE1d, CGE3e, CGE7i,CGE7i |

**Assessment and Evaluation**

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| --- | --- |
| **Category**  | **Weight %** |
| Knowledge | 20% |
| Thinking | 25% |
| Communication | 20% |
| Application | 35% |

|  |  |
| --- | --- |
| **Final Summative Assessments** | **Overall Weighting** |
| Term Work | 70% |
| Culminating Performance Task | 30% |

Feedback will also be provided for student learning skills. Skills like *responsibility, organization,* *working independently, collaboration, initiative and self-regulation* are assessed independently of student achievement and will be conducted through the use of a rubric indicating specific criteria to be achieved to receive each of the following letter grades:

**E –Excellent G – Good S – Satisfactory N - Needs Improvement**

It is the student’s responsibility to address missed, late or incomplete assignments. Students are expected to complete assignments and to adhere to assignment deadlines as follows.

|  |  |  |
| --- | --- | --- |
| **DUE DATE** | **10% PENALTY** | **CLOSURE DATE** |
| A due date is set by the teacher | 1 school day late = - 3%2 school days late = - 6%3 school days late = - 10%Maximum penalty of 10% | Once the closure date has passed, work is considered incomplete and a **mark of zero** applies. |