**12C Physic: Career Search Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Task**: Create a 8½” by 11”poster that provides information for one of the careers below:

Choose one of the following Career/Job/Positions or suggest another one.

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| Photonics | Tool and Die Technician |
| Civil Engineering Technician | Electronics |
| Robotics | Carpentry |
| Construction Engineering Tech | Mechanical Engineering Tech |
| Computer Engineering Tech | Building Renovation Tech |
| Carpentry Renovation Tech | Cabinetmaking Tech |
| HRAC Tech | Machinist |
| Mechanical Tech | Welding Tech  |
| Packaging Tech | Mechanical Design |
| Architectural Tech | Medical Lab Tech |
| Medical Radiation Tech | Aircraft Repair and Maintenance |
| Marine Mechanic | Automotive Engineering |
| Railway Conductor | Truck and Coach Mechanic |

Each student must choose a different career. When you have decided, reserve it with your teacher.

**Product**: The poster must include the following information under these headings:

1. Career/Job/Position title
2. Career/Job/Position description
3. Colleges that offer training programs for this Career/Job/Position
4. Length and description of the training program
5. Admission requirements and recommendations for the program
6. Other skills and/or attributes you need to be successful and happy in this Career/Job/Position
7. Expected wage/salary range for the Career/Job/Position
8. Career/Job/Position prospects for the chosen Career/Job/Position
9. Links to the sources of information used
* You are gathering useful information from reliable sources to help you and your classmates. You are not presenting this as your own original work; therefore you may copy and paste the information that you find without writing about them in your own words.
* The font must be Times New Roman 12 point for the body and 16 point for the headings.
* The poster must fit on one standard 8 ½ by 11 piece of paper. An electronic template has been provided. A sample poster is shown on the other side of this sheet.
* The information is to be emailed as an attachment to the teacher by \_\_\_\_\_\_\_\_\_\_\_\_\_

Your Primary Resource for this project is:

<http://www.ontariocolleges.ca/FindProgram>

Additional information can be found at the following sites:

http://[www.jobbank.gc.ca](http://www.jobbank.gc.ca)

<http://www.servicecanada.gc.ca/eng/qc/job_futures/3.shtml>

<http://www.tcu.gov.on.ca/eng/labourmarket/ojf/pdf/3141_e.pdf>

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| Motive Power Technician |
| **Description**: The program prepares students to work in the automotive industry as qualified technicians in either service or mechanics. Courses will include aspects such as motive power and electrical system fundamentals. Some programs may include a co-op component |
| **Colleges that offer training programs for this Career/Job/Position are**:Algonquin (Woodroffe), Cambrian (Sudbury), Canadore (Commerce Court), Centennial (Ashtonbee), Conestoga (Guelph) |
| **Length and description of the training program:**Conestoga - 2 year full-time.The program provides a strong technical base and also focuses on business, shop management, parts management and hybrid technologies. Students develop safe working practices in the use of machinery, tools and equipment and will be able to apply basic communication, documentation, information technology and computer skills. This program covers all learning outcomes for level 1 and level 2 of the related heavy duty equipment technician apprenticeship program in Ontario.  |
| **Admission requirements**: * Ontario Secondary School Diploma (OSSD)
* Grade 12 compulsory English, C or U
* Grade 12 Mathematics, C or U
* An academic strength is calculated by averaging the submitted marks of required subjects. If more than one mark is received for a required subject, the highest mark will be used
* Ten additional marks are added to each U, U/C, and post-secondary course used in the calculation of academic strength.
* A sound mathematical and English background is important for success in this program and is considered during the admission selection process. Minimum cut-offs apply.
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| **Skills and/or attributes you would need to be successful and happy:** Able to keep up with changing technologies (lifelong learner)Like to work with hands |
| **Expected wage/salary range:**Salaries in the field depend on level of experience and position. Entry-level positions typically start between $27,000 and $37,000 per year, but professionals who have completed their apprenticeships can expect to make more |
| **Job Market Prospects:**On average, 83% of graduates from the last three years at Conestoga (2014 to 2016) found employment within six months of graduation.There are opportunities across many industries for graduates of motive power programs, whether they choose to pursue the service or the mechanical sides of the industry. A sample of these opportunities includes:* Service and repair shops
* Dealerships
* Parts distributors and wholesalers
* Insurance appraising and adjusting companies

Most motive power programs can be used as a starting point for apprenticeships, and will satisfy the in-class component. After completing the program, students can register with the [Ministry of Advanced Education and Skills Development](http://www.tcu.gov.on.ca/eng/employmentontario/training/), find a willing employer and begin the practical component of their apprenticeship training.  |
| **Websites used:** <http://www.ontariocolleges.ca/FindProgram><http://www.servicecanada.gc.ca/eng/qc/job_futures/3.shtml> |