

# Physics 12 StartUp Assignment

In the following table, you will see two columns beside courses. “C” stands for completed and “IP” stands for in-progress. Please put a checkmark in the appropriate box. For courses you have not taken yet, please leave blank.

The boxes in yellow are where you have to fill in.

What grade are you currently in?							
If you are on the adult graduation program, or have graduated, check this box and go on to page 2. Contact your VLN counsellor if you are not sure which graduation program you are on.							
<b>Required Courses (52 credits for graduation)</b>							
		C	IP			C	IP
English 10 Composition (or other English 10 course)	2			Science 11 or 12	4		
English 10 Literary Studies (or other English 10 course)	2			Mathematics 10 (Workplace or Foundations/Pre-Calculus)	4		
Literary Studies 11 or Composition 11	4			Mathematics 11 or 12 (Workplace, Foundations or Pre- Calculus)	4		
English Studies 12 or English 12 First Peoples	4			Physical and Health Education 10	4		
Social Studies 10	4			Arts Education and/or Applied Design, Skills and Technologies	4		
Social Studies 11 or 12	4			Career Life Education 10	4		
Science 10	4			Career Life Connections & Capstone 12	4		

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Elective Courses (28 credits for graduation)			Required Assessments		
Grade 10, 11, or 12 Course Name	C	IP		C	
			Grade 10 Numeracy		
			Grade 10 Literacy		
			Grade 12 Literacy		
			Please ensure you complete at least one Indigenous or First Peoples course (Grade 10, 11, or 12) in order to graduate.		
			Course Name	C	IP
Date and Signature					
Type Student's Full Name				Date	



## Some Quick Questions on Special Relativity

For the questions that require explanations, please use complete sentences. You can keep significant figures to 2-3 digits. If you need values for some constants, you can look them up.



1. As a (relativistic) runner speeds past a stationary, 1.0 km train at  $0.80c$ , how long does the train appear to be in her reference frame?



2. The runner sees a person sitting and drinking a cup of coffee in the train. Does the person's motion (of drinking coffee) appear faster or slower than usual? Explain your reasoning.

# Academic Integrity Student Contract

Plagiarism is presenting someone else's work as though it is your own. Plagiarism may consist of work copied from the Internet, work copied from another student, or work generated by Artificial Intelligence (AI) or other electronic means.

Plagiarism represents a failure of integrity. Plagiarism damages a student's character and limits the student's learning from the course.

VLN has a zero-tolerance policy on plagiarism. We use professional tools to identify plagiarized or AI-generated student submissions.

If you are caught plagiarizing course assignments or cheating on an exam, this incident will be documented in our MyEd provincial student information system. Plagiarism may result in VLN administration meeting with the student and their parents (for school-aged students). Repeated incidents of plagiarism may result in withdrawal from the course or school.

## My Pledge to Academic Integrity

Please sign and date the following agreement:

I agree that I will not attempt to plagiarize work in any VLN course assignments or cheat on any VLN exams. I also agree that assignments I submit that are suspected of plagiarism may be scanned, stored, and accessed by US-based servers.

Type your name  
here as signature

Date

~The End~

Now you can upload this back into the folder.

