

Grade 11 PC Proof Project Assessment Criteria

The project accounts for 15% of the course. You are not required to learn significant content for the project, rather the focus is on depth of understanding.

The objective is to experience interacting with math at the level of theorem and proof.

The best case scenario is that by the end of preparing your google slides file, you are able to explain two proofs for familiar theorems independently, and be able to answer questions of clarification from line to line.

We will try to capture this learning through the creation of your own videos and some written explanation of what the theorems say and how they are used.

A total of 100 marks will be awarded for this project as follows:

Short Description	Maximum marks possible	Long Description
A good job	40	A reasonable effort has been made to include all aspects of the project. All components are submitted. (provided the work is authentic, that is, has been created by the student.)
Sources	5	<p>Best case scenario: Any/all 'copy paste' sentences are in quotations with a footnote to the sources page saying where the sentence was copied from.</p> <p>It is preferred that you attempt to write your own sentences, rather than use copy/paste.</p> <p>You can score 5/5 if you link the url to every quotation (highlight some or all of the quote, and press ctrl K) <i>or</i> if [quote] is written beside all sentences that are not your own writing, and all sources are included on the sources page. This is a step in the direction of correct sourcing of work and appropriate standards of academic integrity.</p> <p>You can score 4/5 if you have kept track of all your sources on your sources page and beside each source you write the slide number where you used that source;</p> <p>You can score 1,2 or 3 if you make an attempt to track your sources, but it is unclear what source is used where in your project.</p> <p>You will score 0/5 if no attempt is made to source your research.</p>
Structure and dialogue	5	There is good verbal flow from slide to slide. Each slide has a title and at least one sentence to say what the slide is there for. Eg 'on this page we see a video fromlink..... . This video offers a proof for ...'

Theorem Description Pages	20	<p>Each theorem is presented with a correct 'if' 'then' statement.</p> <p>A student generated/explained example is provided for each theorem.</p> <p>The student example demonstrates the theorem correctly and clearly, using appropriate diagrams.</p>
Student prepared videos	30	<p>(each video marked out of 15 for independent projects, marked out of 10 for joint projects). These marks will be awarded for:</p> <ul style="list-style-type: none"> • Quality of preparation of presentation before filming - that is, a template or set of slides that contribute to the clarity of the presentation. • Clarity and independence/fluency with the logic in the verbal presentation. • Clarity of the logic in the written presentation. <p>Note: For joint projects, both participants need to contribute to the verbal presentation. For example, one person presents two, the other one; or both share in the presentation of all three.</p>