Group 4 project Guidelines and Ideas

In science, there is a great deal of collaboration between experts from different fields of study. For this reason, the Group 4 Project involves collaboration with students from other subjects in order to investigate scientific phenomena or issues. You must work with students from other disciplines, and you will be evaluated on your ability to work as a member of a multidisciplinary team. Part of your grade for the project will be based on the how well you work with others, as perceived by your team members (see below):

#### Personal skills (for group 4 project assessment only)

This criterion addresses objective 4.

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| **Levels/marks** | **Aspect 1** | **Aspect 2** | **Aspect 3** |
| **Self-motivation and perseverance** | **Working within a team** | **Self-reflection** |
| Complete/2  | Approaches the project with self-motivation and follows it through to completion. | Collaborates and communicates in a group situation and integrates the views of others. | Shows a thorough awareness of their own strengths and weaknesses and gives thoughtful consideration to their learning experience. |
| Partial/1  | Completes the project but sometimes lacks self-motivation. | Exchanges some views but requires guidance to collaborate with others. | Shows limited awareness of their own strengths and weaknesses and gives some consideration to their learning experience. |
| Not at all/0  | Lacks perseverance and motivation. | Makes little or no attempt to collaborate in a group situation. | Shows no awareness of their own strengths and weaknesses and gives no consideration to their learning experience. |

Types of projects

The project must be based on science or its applications. The project may have a hands-on practical action phase or one involving purely theoretical aspects. It could be undertaken in a wide range of ways:

* Designing and carrying out a laboratory investigation or fieldwork.
* Carrying out a comparative study (experimental or otherwise).
* Collating, manipulating and analysing data from other sources, such as scientific journals, environmental organizations, science and technology industries and government reports.
* Designing and using a model or simulation.
* Contributing to a long-term project organized by the school.

(Adapted from <https://ibpublishing.ibo.org/server2/rest/app/tsm.xql?doc=d_4_biolo_gui_1402_1_e&part=9&chapter=6>)

Options:

1. Make a video explaining some phenomenon or analyzing some issue related to both of your disciplines. Some good examples of the types of videos you can make can be found here: <https://www.youtube.com/user/1veritasium?sub_confirmation=1&src_vid=wU5XkhUGzBs&feature=iv&annotation_id=annotation_1873676369>
2. Create a poster project (similar to an internal assessment) explaining a laboratory investigation you carried out related to your disciplines.
3. Create a physical or computer model for some phenomenon that incorporates your disciplines that you can present and explain.

For more information from the International Baccalaureate organization about the Group 4 project, click the following link:

<https://ibpublishing.ibo.org/server2/rest/app/tsm.xql?doc=d_4_biolo_gui_1402_1_e&part=9&chapter=6>