

# The Group 4 Project

Name: \_\_\_\_\_ Group #: \_\_\_\_\_

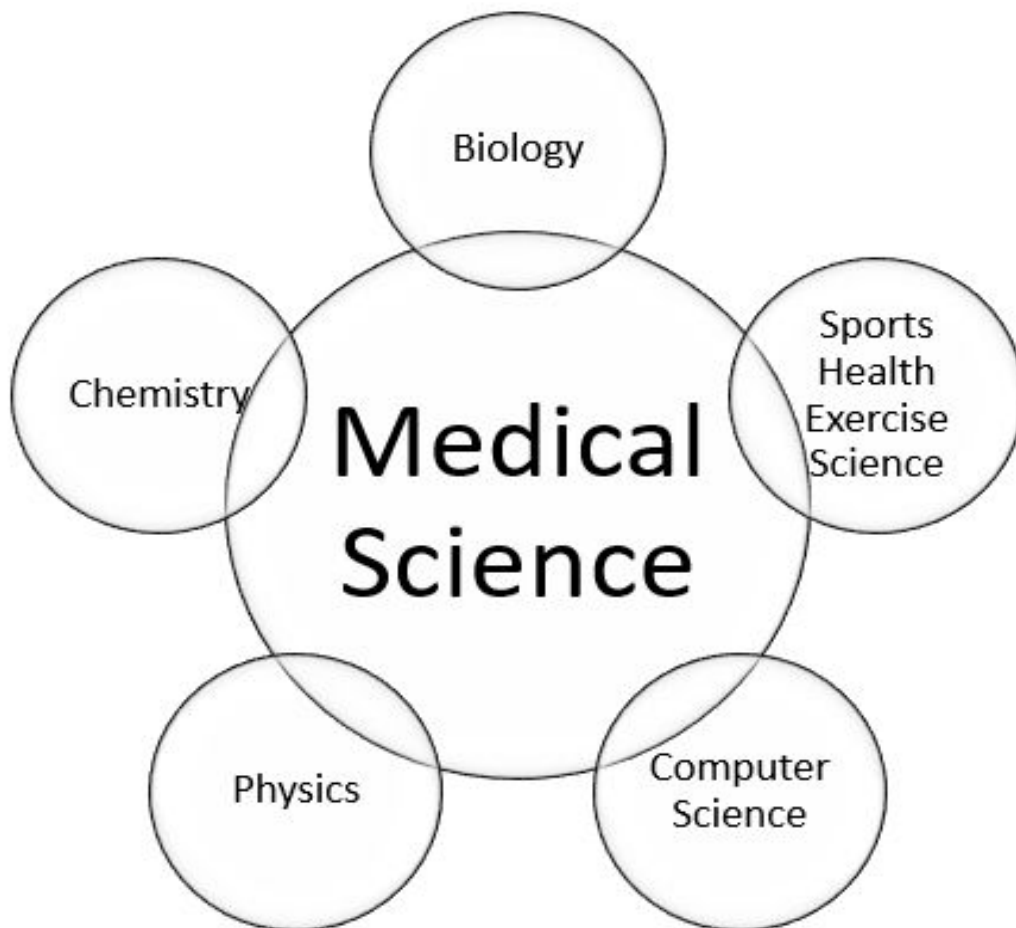
The Group 4 Project is an interdisciplinary activity in which all International Baccalaureate (IB) science students must participate. The Group 4 Project is a collaborative venture where the **emphasis is on interdisciplinary cooperation rather than the product** of the project.

Throughout the Group 4 Project, students from the different IB science subjects analyze a common topic or problem. The Group 4 Project must illustrate the international nature of science (NOS) and the increasing cooperation required to address global issues involving science and technology. The IB outlines three aims that are to be addressed in the Group 4 Project:

- To develop and apply 21st century communication skills in the study of science
- To become critically aware, as global citizens, of the ethical implications of using science and technology
- To develop an understanding of the relationships between the scientific disciplines and their influences on other areas of knowledge

*This year's Skyline High School Group 4 Project focus is:*

## **“Interdisciplinary Medical Science”**



## Teacher Assignments

Each teacher of a class doing the Group 4 Project is assigned as the primary teacher for different group. The teacher assigned to a group will do the scoring of the “planning” and “action” tasks.

- Ms. Woodard (woodardr@issaquah.wednet.edu) – Groups 1-5
- Ms. Sharma (sharmam@issaquah.wednet.edu) – Groups 6-10
- Ms. Fowler (fowlerr@issaquah.wednet.edu) – Groups 11-16
- Ms. von Bargaen (vonbargeng@issaquah.wednet.edu) - Groups 17-22
- Ms. Davis (davist@issaquah.wednet.edu) - Groups 23-27
- Mr. Parker (parkerc@issaquah.wednet.edu) – Groups 28-33
- Ms.Ciustea (CiusteaC@issaquah.wednet.edu) - Groups 34-38
- Ms. Sakthikumar (SakthikumarK@issaquah.wednet.edu) - Groups 39-42

Ten hours of time are allocated to the Group 4 Project, divided into three stages: planning, action and evaluation.

### Planning: 3 hours

TASK	ASSESSMENT	DUE DATE	% of G4P Score
<ul style="list-style-type: none"> <li>● Group introductions and discussion of group project experiences. Collaborate to create a list of at least eight norms that your group will follow. Norms are expectations of how you will act as a group during the length of the project.</li> <li>● Log into your group Google Drive folder (take a picture of the URL for your group so you don't lose it!)</li> <li>● Select medical specialty for project focus</li> <li>● Create a document in your group Google Drive with each team member's name and contact information. You are responsible for knowing who is in your group and being able to contact them throughout the project.</li> </ul>	<p>Attendance and teacher observations of behavior, discussions and body language.</p> <p>Completed contact sheet.</p>	September 26 during meeting	2%
<ul style="list-style-type: none"> <li>● Print a single copy of the norms and have each group member to sign their name on the sheet. Signatures must be hand written, not typed.</li> </ul>	<p>Photograph or scan the sheet of paper with your group norms and group member signatures. Submit to your groups' folder in the Google Drive named as "Group # Norms"</p>	October 3 by 4:30pm	2%
<ul style="list-style-type: none"> <li>● Create a Project Plan document or spreadsheet that outlines: <ul style="list-style-type: none"> <li>☐ all the tasks your group needs to complete related to the project</li> </ul> </li> </ul>	<p>Upload the document with the Project Plan (or a link to a web based version) to your groups' folder in the Google</p>	October 10 by 4:30pm	10%

<ul style="list-style-type: none"> <li><input type="checkbox"/> estimates of required time for each task</li> <li><input type="checkbox"/> deadlines for completion</li> <li><input type="checkbox"/> group member assigned to the task (all group members must be assigned a task)</li> </ul> <p>The document you create will be a “working document,” meaning it will be changed, updated and modified as the project proceeds.</p>	<p>Drive named as “Group # Project Plan”</p> <p>The project plan must demonstrate thorough thinking about the components of the project, reasonable timelines and due dates, and delegation of work to all group member.</p>		
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**Action: 5 hours**

TASK	ASSESSMENT	DUE DATE	% of G4P Score
<ul style="list-style-type: none"> <li><input type="checkbox"/> Research the interdisciplinary science behind the medical specialty assigned to your group. Be sure each science is represented in your research.</li> </ul>	<p>Create a bibliography or works cited list with at least 10 relevant sources. Web references must be hyperlinked within the document. Submit the document to your groups’ folder in the Google Drive named as “Group # Works Cited”.</p>	<p>October 24 by 4:30pm</p>	<p>2%</p>
<ul style="list-style-type: none"> <li><input type="checkbox"/> Keep your project plan document up to date with tasks, times and completed tasks.</li> </ul>	<p>The teacher assigned to your group will check the project plan within your groups Google Drive folder for updates.</p>	<p>Periodically between October 11 and November 12</p>	<p>inclusive in the 10% project plan score</p>
<ul style="list-style-type: none"> <li><input type="checkbox"/> As a group, create an infographic for display at the evening symposium. The infographic should clearly communicate the interdisciplinary science behind your assigned medical specialty. The infographic should focus on graphics, tables, and charts (not paragraphs of text). The infographic must be large enough to interpret from ten feet away and must be self supporting (able to stand on its own)</li> </ul>	<p>Take a picture of your group working on the infographic. The group members faces must be shown, not necessarily a completed infographic. Submit the photo to your groups’ folder in the Google Drive named as “Group # group photo”.</p>	<p>Anytime before November 12, 8:00 pm</p>	<p>2%</p>
	<p>Take a picture of your completed infographic. The text must be legible. Submit the photo to your groups’ folder in the Google Drive named as “Group # infographic”.</p>	<p>Anytime before November 12, 8:00 pm</p>	<p>2%</p>

<p>☐ Practice your presentation. You will have 7-9 minutes to present the interdisciplinary science of the medical specialty assigned to your group. Your presentation must include</p> <ul style="list-style-type: none"> <li>● The medical specialty of focus</li> <li>● A “hook” or “catch” for the listener</li> <li>● How the different sciences represented in your group are used within the medical specialty</li> <li>● At least half of the group members must speak</li> </ul>	<p>Upload a script for your presentation to your groups’ folder in the Google Drive named as “Group # Script”</p>	<p>Anytime before November 12, 8:00 pm</p>	<p>3%</p>
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**Evaluation: 2 hours**

TASK	ASSESSMENT	DUE DATE	% of G4P Score
<ul style="list-style-type: none"> <li>● Present completed infographic and presentation to teachers, administrators and peers</li> </ul>	<p>Detailed requirements to follow</p>	<p>November 13<sup>th</sup>, evening symposium</p>	<p>60%</p>
<ul style="list-style-type: none"> <li>● 50(ish) word summary of your participation in the Group 4 Project that includes information on your planning, action and evaluation of the project</li> </ul>	<p>Teacher evaluation of summary using a simple rubric</p>	<p>November 14</p>	<p>5%</p>
<ul style="list-style-type: none"> <li>● Self and peer evaluation. You will assess yourself and your group members: <ul style="list-style-type: none"> <li>● Were you regularly at group meetings, punctual and cooperative?</li> <li>● Did you contribute ideas and suggestions for the project?</li> <li>● Did you listen to team member ideas and suggestions?</li> <li>● How well did you carry out the tasks assigned by the group?</li> <li>● Did you do your fair share of the work?</li> <li>● How would you rate your overall contribution to the project?</li> </ul> </li> </ul>	<p>Complete a Google form survey which you score group member participation as:</p> <p>3: outstanding contribution  2: significant contribution  1: little contribution  0: no contribution</p>	<p>November 14</p>	<p>Self = 2%</p> <p>Peer evaluation of your contribution = 10%</p>

