

SBC 2021 EVALUATION GRID

Experimental Projects

Project Title :		Participant:
Participant:		
Judge :		
Page 1 of 2		
ORIGINALITY AND SCIENTIFIC MERIT		
Relevance to Biotechnology (Life Sciences)		
8 9 10	Relevant	
6 7	Somewhat relevant	
4 5	Possibly relevant in the future	
0 1 2 3	Not relevant	
Originality and Innovation		
8 9 10	Very original / creative / ingenious, their own unique idea	
6 7	Imaginative, creative use of resources, good design	
4 5	Little imagination, project largely led by the mentor	
0 1 2 3	Little imagination, project entirely led by the mentor	
Independence and Motivation		
4 5	Work carried out largely independently	
2 3	Work carried out somewhat independently	
0 1	Project largely led by the mentor	
Level of Science		
4 5	Equivalent to University: bachelors/masters/PhD	
2 3	Equivalent to High School (Grades 10/11/12 OR Sec 4/5/CEGEP)	
0 1	Equivalent to High School (Grades 8/9 OR Sec 2/3)	
PROJECT EXECUTION		
Experimental Design and Protocols		
8 9 10	Good design, data relevant to the hypothesis	
4 5 6 7	Good design, data does not entirely lead to conclusions	
0 1 2 3	Insufficient number of controlled variables, irrelevant data	
Results: Data Collection and Analysis		
8 9 10	Sufficient data and analysis to lead to solid conclusions	
4 5 6 7	Insufficient data, but solid analysis to lead to somewhat relevant conclusions	
0 1 2 3	Not enough data to draw relevant conclusions	
Validity of conclusions		
4 5	Reasonable conclusions	
2 3	Considering the results obtained, the conclusions are not well-founded	
0 1	The results do not support the stated conclusions.	
Command of Techniques and Skills		
/5	How do you assess this project in terms of techniques and skills used?	
Judge Comments		
Page 1 of 2		
ORIGINALITY AND SCIENTIFIC MERIT		
PROJECT EXECUTION		

SBC 2021 EVALUATION GRID

Experimental Projects

Page 2 of 2		Page 2 of 2	
Participant:		Judge Comments	
COMMUNICATION (POSTER AND ORAL PRESENTATION)		COMMUNICATION :	
Presentation of the Project Summary			
4 5	Good summary of the project and conclusions		
2 3	Rather vague summary of the project and conclusions		
0 1	Little information about the project and findings		
Clarity and Layout			
4 5	Explicit, well-illustrated scientific approach		
2 3	Easy to interpret, little or no evidence of the scientific approach		
0 1	Difficult to interpret, little or no evidence of the scientific approach		
Oral Presentation: Demonstration of Scientific Knowledge			
9 10	Level of scientific knowledge: advanced university		
6 7 8	Level of scientific knowledge: beginner university		
3 4 5	Level of scientific knowledge: end of high school		
0 1	Level of scientific knowledge: beginning of high school		
Ability to Explain and Defend Conclusions			
9 10	Good explanation of the project, good defense of the conclusion(s)		
6 7 8	Good explanation of the project, poor defense of the conclusion(s)		
3 4 5	Poor explanation of the project, good defense of the conclusion(s)		
0 1 2	Poor explanation of the project, poor defense of the conclusion(s)		
LAB JOURNAL		LAB JOURNAL:	
/4	Completeness: procedures are well described, observations are detailed, conclusions are presented, the mentor's signature is included (or the student can attest to a mentor review)		
/4	Timeline: Entries are dated, data is organized in tables, pages are numbered, diagrams are included where appropriate		
/2	Clarity: Errors are clearly indicated, diagrams and photos are correctly inserted, a new experiment begins on a new page		
/100	TOTAL SCORE		

