

CARF SECONDARY PROJECTS: STUDY/RESEARCH SCORING GUIDELINES

SECTION 1: SCIENTIFIC CONTENT (Study/Research Projects)

HYPOTHESIS /10			
Excellent (8-10)	Good (4-7)	Fair (0-3)	Score
<ul style="list-style-type: none"> • A significant amount of background research has been done. • Research materials have been looked for in order to formulate a problem that is both relevant and reasonable in scope. 	<ul style="list-style-type: none"> • Some background research was conducted. • Problem is relevant. 	<ul style="list-style-type: none"> • Little background research was done. • An appropriate problem was formulated based on existing knowledge. 	<p style="text-align: center;">10</p>
METHOD /20			
Excellent (14-20)	Good (7-13)	Fair (0-6)	Score
<ul style="list-style-type: none"> • Variety of sources was used in the course of research. • Care has been taken to verify the accuracy of the information • Information is comprehensive and covers all aspects of the problem. • Alternate approaches or theories have been considered and analyzed. • Logbook contains a full dated record of the project, including all original data. 	<ul style="list-style-type: none"> • Multiple sources were used in the course of research. • Some effort has been made to ensure that the sources used are reliable and are related to the study. • Logbook contains record of the project. 	<ul style="list-style-type: none"> • Few sources were used in research. • Little effort made to check that the sources used are reliable and authoritative. • Some information is presented to address the problem. • Logbook contains at least a description of the tasks undertaken over the course of the project. 	<p style="text-align: center;">20</p>
ANALYSIS AND CONCLUSIONS /15			
Excellent (11-15)	Good (6-10)	Fair (0-5)	Score
<ul style="list-style-type: none"> • Research material has been analyzed to form conclusions related to the problem. • Any inconsistencies in the data gathered have been analyzed critically to determine what information is reliable. 	<ul style="list-style-type: none"> • Some conclusions have been drawn based on the research material gathered. • Inconsistencies have been acknowledged, and some effort has been made to determine the reliability of the information. 	<ul style="list-style-type: none"> • Some material is presented in a manner that is relevant to the problem. • Some of the reliability of data gathered has been considered, and some possibility of inaccurate or conflicting data has been acknowledged. 	<p style="text-align: center;">15</p>
TOTAL SCORE			<p style="text-align: center;">45</p>

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SECTION 2: CREATIVITY AND INSIGHTS /25

Excellent (18-25)	Good (11-17)	Fair (0-10)	Score
<ul style="list-style-type: none"> Student showed independent thinking in the design, implementation and analysis of the project. All aspects of the project (hypothesis, improvements, applications, etc.) have been considered. 	<ul style="list-style-type: none"> The student was able to independently expand on any existing form of the project. The student has acknowledged problems, extensions, improvements and applications that can be made. 	<ul style="list-style-type: none"> The project may not have been designed independently but the student shows some understanding of its aspects. A few problems, extensions, improvements and applications have been considered. 	<p style="text-align: center;">25</p>

SECTION 3: COMMUNICATION /20

Excellent (14-20)	Good (7-13)	Fair (0-6)	Score
<ul style="list-style-type: none"> The student introduced themselves. All required information was presented in the display or clearly described by the student All material from other sources was properly credited and applicable forms were presented. The student was able to answer all questions relevant to the project. The student's presentation was concise, organized, coherent and comprehensive. 	<ul style="list-style-type: none"> Most of the components are present Most of the material from other sources was properly credited and applicable forms were present The student presented some of the components of the project and was able to answer some questions. The student's presentation was somewhat organized and comprehensive. 	<ul style="list-style-type: none"> Some aspects of the project were readily available. Some research from outside sources were credited. The student could answer a few of the questions. The student's presentation was lacking in organization and coherence. 	<p style="text-align: center;">20</p>

DEGREE OF DIFFICULTY /10

Excellent (8-10)	Good (4-7)	Fair (0-3)	Score
<ul style="list-style-type: none"> The student has approached material beyond their grade level and has gained new understanding. 	<ul style="list-style-type: none"> The student has done independent research and made some progress in understanding 	<ul style="list-style-type: none"> The student has learned something outside of their curriculum for this project. 	<p style="text-align: center;">10</p>

Total Score			55
TOTAL OVERALL SCORE			100