

TOPIC SELECTION RUBRIC

DMHS 2020-2021

TOPIC SELECTION MST SCIENCE FAIR						TOTAL ____/22	
	4	3	2	1	0	Multiplier	Points Earned
<b>Focus</b>	The rationale for pursuing the topic is convincing and leads to a question that is testable. Engineering goals must meet a real world need or purpose.	The rationale for pursuing the topic is convincing but lacks details. The question that your project will seek to answer is clearly stated but how it could be tested is unclear.		The rationale stated is unclear and does not provide a testable option.	The rationale is not testable, either by experimentation or by mathematical modeling.	1	____/4
<b>Specific Statement of Purpose</b>	Specific statement of the testable question including independent and dependent variables. Engineering Goal is clearly stated and must include some way to test for efficiency or demonstrate the desired attributes of the design.		Lacking detail in one or more of the following areas: -Clearly stated variables -Clear connection between variables -For engineering, no clear test is presented		No statement of purpose is present..	2.5	____/10
<b>Investigation Specifics: Where?</b>	Specific location where the experiment will be conducted is given along with a rationale for why the location was chosen	Specific location where the experiment will be conducted with a weak rationale for location choice.	Location is ambiguous and the rationale for location choice is weak	Location is ambiguous and there is no rationale given for location choice	No location is specified.	0.5	____/2
<b>Investigation Specifics: With Whom</b>	Statement clarifying whether or not there is a need for a mentor for the specific project. **If a mentor is needed, the mentor's name, job title and contact information is included. The mentor's relevance to the project is also explained. You must seek your own mentor. This is not provided.	One piece of mentor information is missing OR the mentor's relevance to the project is not explained	One piece of the mentor information is missing AND the mentor's relevance to the project is not explained.	More than one piece of mentor information is missing.	No mentor information is provided (only if you are working with a mentor)	0.5	____/2
<b>Formatting</b>	Paper is typed, double-spaced; uses 12-pt. font, 1-inch margins; includes	Missing 1 or 2 of the characteristics of a 4.	Missing 3 or 4 of the characteristics of a 4.	Missing 5 or 6 of the characteristics of a	Missing all the characteristics of	0.5	____/2

	APA-style in-text citations; written in the third person and passive voice. Includes a reference page in APA format			4.	a 4.		
<b>Spelling and Grammar</b>	Paper written following guidelines of professional writing.	Two spelling or grammatical errors left uncorrected.	Three spelling or grammatical errors left uncorrected.	Four spelling or grammatical errors left uncorrected.	Five or more spelling or grammatical errors left uncorrected.	0.5	___/2

**Mentor Requirements:**

If you have a mentor for your project, you **MUST** complete the linked google form found here:

[https://docs.google.com/forms/d/e/1FAIpQLSfyXBjqwaNoE5x7HO7ITFvbSk19KpRY4g82uQ4Qcu0tD\\_kerA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfyXBjqwaNoE5x7HO7ITFvbSk19KpRY4g82uQ4Qcu0tD_kerA/viewform?usp=sf_link)

\* Please note: Mentors will not be assigned. If you wish to work with a mentor, you must find one.

**Continuation Projects:**

You must **CLEARLY** indicate that this is a continuation project at the time of submission. Background paper for continuation projects is a new paper, as you will be testing a new variable, and should not be duplicating from previous research. You must complete the linked google form found here: <https://forms.gle/cWfeRSYTUW22Ehe17>

**Group Project Approval:** You must complete the google link found here:

[https://docs.google.com/forms/d/e/1FAIpQLSdBG8-8v23uf9vDU\\_wjIWmT-JjztAQD15DiCm0MDK0tEcT6lw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdBG8-8v23uf9vDU_wjIWmT-JjztAQD15DiCm0MDK0tEcT6lw/viewform?usp=sf_link)

**TOPIC SELECTION LEVEL 4 STUDENT :**

<b>Focus</b>	The rationale for pursuing the topic is convincing and leads to a question that is testable. Engineering goals must meet a real world need or purpose.
<b>Specific Statement of Purpose</b>	Specific statement of the testable question including independent and dependent variables. Engineering Goal is clearly stated and must include some way to test for efficiency or demonstrate the desired attributes of the design.
<b>Investigation Specifics: Where?</b>	Specific location where the experiment will be conducted is given along with a rationale for why the location was chosen
<b>Investigation Specifics: With Whom?</b>	Statement clarifying whether or not there is a need for a mentor for the specific project. **If a mentor is needed, the mentor's name, job title and contact information is included. The mentor's relevance to the project is also explained. You must seek your own mentor. This is not provided.
<b>Formatting</b>	Paper is typed, double-spaced; uses 12-pt. font, 1-inch margins; includes APA-style in-text citations; written in the third person and passive voice. Includes a reference page in APA format
<b>Spelling/Grammar</b>	Paper written following guidelines of professional writing.