

Project Forum Student Checklist & Schedule

Saturday February 3, 2024

(Inclement Weather Makeup Day: Saturday February 10)

SATURDAY MORNING CHECK-IN

Be sure to have the following items:

1. Board

- *RVGS provides boards that are 48" wide and 36" tall. If you use a different board, it must be similar in size. Professionally printed posters are allowed, but they must be mounted to a board.*

2. Header board/title

3. Lab notebook

4. Copy of your paper, if available, to be placed in front of your board

- *RVGS is not responsible for personal items, including computers, left with your project. It is strongly recommended that computers be secured to tables using a laptop cable lock. No power or extension cords will be available.*

PROJECT FORUM SCHEDULE

8:00 am – 9:30 am Students setup projects in PHHS cafeteria

- Students **must** be out of the building at 9:30 or 20% will be deducted from the project's grade!
- Students do **not** need to be dressed in business professional attire for setting up their projects.

10:00 am – 11:15 am Judges view projects without students present

- Cafeteria is closed to the public.

11:00 am – 11:15 am Student check-in

- Students **must** be dressed in business professional attire for judging.

11:30 am – 1:30 pm Judges meet with and interview students

- Cafeteria is closed to the public. It is recommended that students bring a book to read while waiting for project interviews to conclude. Students must remain with their board and be quiet when waiting to be interviewed.

1:30 pm – 3:00 pm Open House

- Cafeteria is open to the public for family and friends to view students' projects.
- Judges' lunch and awards selection: 1:30 pm – 3:00 pm.

1:30 pm – 2:00 pm Pizza and break for students

2:00 pm – 2:30 pm Students with even-numbered projects at boards

2:30 pm – 3:00 pm Students with odd-numbered projects at boards

3:00 pm – 3:30 pm Remove projects and clean up.

3:30 pm Awards Assembly in PHHS gym

ART SHOW & RAFFLE SCHEDULE

1:30 pm – 3:00 pm Art show and raffle in PHHS library

RVGS Project Forum Check-in Sheet

Project Number _____ **Student Name(s)** _____

Criteria	Check-off
<ul style="list-style-type: none"> Project is no larger than maximum allowed dimensions - 30in deep, 48in wide, 72in high (from table top); 108 in (from floor) 	
<ul style="list-style-type: none"> Index card (provided) with project number is displayed with project 	
<ul style="list-style-type: none"> There are no last names of students on the display board 	
<ul style="list-style-type: none"> All photographs and visual depictions are properly cited (including those produced by the exhibitor) 	
<ul style="list-style-type: none"> A human subjects form is present for anyone whose photo is shown on display (not needed for exhibitor) 	
<ul style="list-style-type: none"> The following are NOT present at the display: <ul style="list-style-type: none"> Dead or living organisms, including plants Chemicals or household chemicals Food Soil or water samples Glass containers or objects except those integral to the display Sharp or other dangerous objects Weapons or ammunition, flames or highly flammable materials 	



Roanoke Valley Governor's School for Science and Technology
PROJECT FORUM
JUDGING CRITERIA FOR SCIENCE PROJECTS

Rubric created based on <https://student.societyforscience.org/judging-criteria-intel-isef>.

PROJECT NUMBER: _____

Criterion	Description	Notes	Student Score	Points Possible
1. Research Question	<ul style="list-style-type: none"> • Clear and focused purpose • Identifies contribution to field of study • Testable using scientific methods 			10
2. Design and Methodology	<ul style="list-style-type: none"> • Well-designed plan and data collection methods • Variables and controls defined, appropriate and complete 			15
3. Execution: Data Collection	<ul style="list-style-type: none"> • Systematic data collection and analysis • Reproducibility of results 			10
4. Execution: Data Analysis and Interpretation	<ul style="list-style-type: none"> • Appropriate application of mathematical and statistical methods • Sufficient data collected to support interpretation and conclusion 			10
5. Creativity: As shown in areas 1- 4	<ul style="list-style-type: none"> • Project demonstrates imagination and inventiveness • Project offers different perspectives that open up new possibilities or alternatives 			20
6. Presentation: Poster	<ul style="list-style-type: none"> • Logical organization of material • Clarity of graphics and legends • Supporting documentation displayed 			10

Criterion	Description	Notes	Student Score	Points Possible
7. Presentation: Interview	<ul style="list-style-type: none"> • Clear, concise thoughtful responses to questions • Understanding of basic science relevant to project • Understanding interpretation and limitations of results and conclusions • Degree of independence in conducting project • Recognition of potential impact in science, society and/or economics • Quality of ideas for further research • For team projects, contributions to and understanding of project by all members 			25
Total Points				100

Suggestions for Special Recognition Awards for Outstanding (please circle):

Project Concept	Experimental Design	Overall Presentation	Visual Presentation
Poster Display	Determination/ Persistence	Creativity	Enthusiasm
Use of Multimedia	Data Analysis/Statistics	Use of Technology	Most Promising
Future Study			

Other: _____

Judge's Comments:



Roanoke Valley Governor's School for Science and Technology
PROJECT FORUM
JUDGING CRITERIA FOR ENGINEERING PROJECTS

Rubric created based on <https://student.societyforscience.org/judging-criteria-intel-isef>.

PROJECT NUMBER: _____

Criterion	Description	Notes	Student Score	Points Possible
1. Research Problem	<ul style="list-style-type: none">• Description of practical need or problem to be solved• Definition of criteria for proposed solution• Explanation of constraints			10
2. Design and Methodology	<ul style="list-style-type: none">• Exploration of alternatives to answer need or problem• Identification of a solution• Development of a prototype/model			15
3. Execution: Construction and Testing	<ul style="list-style-type: none">• Prototype demonstrates intended design• Prototype has been tested in multiple conditions/trials• Prototype demonstrates engineering skill and completeness			20
4. Creativity: As shown in areas 1 - 3	<ul style="list-style-type: none">• Project demonstrates imagination and inventiveness• Project offers different perspectives that open up new possibilities or alternatives			20
5. Presentation: Poster	<ul style="list-style-type: none">• Logical organization of material• Clarity of graphics and legends• Supporting documentation displayed			10

Criterion	Description	Notes	Student Score	Points Possible
6. Presentation: Interview	<ul style="list-style-type: none"> • Clear, concise thoughtful responses to questions • Understanding of basic science relevant to project • Understanding interpretation and limitations of results and conclusions • Degree of independence in conducting project • Recognition of potential impact in science, society and/or economics • Quality of ideas for further research • For team projects, contributions to and understanding of project by all members 			25
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Future Study			

Other: _____

Judge's Comments:

Category Abbreviations Key

Animal Sciences A	AS-A	Engineering Mechanics D	EM-D
Animal Sciences B	AS-B	Environmental Engineering/ Energy	EE
Animal Sciences C	AS-C	Materials Science/Chemistry	MS
Behavioral & Social Sciences	BS	Microbiology A	MI-A
Biomedical & Health Sciences	BH	Microbiology B	MI-B
Cellular & Molecular Biology	CM	Microbiology C	MI-C
Computational Biology	CB	Plant Sciences A	PS-A
Earth & Environmental Sciences	ES	Plant Sciences B	PS-B
Engineering Mechanics A	EM-A	Plant Sciences C	PS-C
Engineering Mechanics B	EM-B	Systems Software A	SS-A
Engineering Mechanics C	EM-C	Systems Software B	SS-B

WINDOWS

EM-C 1	2 EM-C 3	EM-C 4	5 EM-C 6	EM-C 7	EM-C 8
1 EM-B 2	EM-B 3	4 EM-B 5	EM-B 6	EM-B 7	EM-B 8

EM-D 8	7 EM-D 6	EM-D 5	4 EM-D 3	EM-D 2	EM-D 1/ EM-A 8	EM-A 7
3 EE 4	EE 5	6 EE 7	EM-A 1	2 EM-A 3	EM-A 4	5 EM-A 6

EE 2	EE 1	MI-C 9	8 MI-C 7	MI-C 6	5 MI-C 4	MI-C 3
1 MI-B 2	MI-B 3	4 MI-B 5	MI-B 6	7 MI-B 8	MI-B 9	1 MI-C 2

KITCHEN



1 BS 2	BS 3	4 BS 5	BS 6	7 BS 8
BH 1	2 BH 3	BH 4	5 BH 6	BH 7

MI-A 9	8 MI-A 7	MI-A 6	5 MI-A 4	MI-A 3	2 MI-A 1	SS-B 6	5 SS-B 4
4 MS 5	MS 6	1 SS-A 2	SS-A 3	4 SS-A 5	SS-A 6	1 SS-B 2	SS-B 3

MS 3	2 MS 1	ES 7	6 ES 5	ES 4	3 ES 2	ES 1	6 CB 5
6 PS-C 7	CM 1	2 CM 3	CM 4	5 CM 6	CB 1	2 CB 3	CB 4

PS-C 5	4 PS-C 3	PS-C 2	PS-C 1/ PS-B 7	PS-B 6	5 PS-B 4	PS-B 3	2 PS-B 1
7 AS-C 8	AS-C 9	AS-C 10/ PS-A 1	PS-A 2	3 PS-A 4	PS-A 5	6 PS-A 7	PS-A 8

AS-C 6	5 AS-C 4	AS-C 3	2 AS-C 1	AS-B 9	8 AS-B 7	AS-B 6	5 AS-B 4
1 AS-A 2	AS-A 3	4 AS-A 5	AS-A 6	7 AS-A 8	AS-A 9	1 AS-B 2	AS-B 3

LIBRARY

OUT TO MAIN HALLWAY

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