

SRC Review Report

HS-AN-0024 Climate Change & its Effect on Phenotypic Traits of *Porphyrio martinicus*

SRC Review Status: Pass: *APPROVED*

Joseph Grissom

Catlin Gabel School

Form

Problem Description

Action to resolve the problem

Special Notes

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

HS-AN-0025 Smart Wildlife Sentinel: Protecting Road Ecology with Deep Learning and IoT

SRC Review Status: Pass: *APPROVED*

Lara Shamieh

Jesuit High School

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please
complete ASAP.

HS-BC-0024 The Effect of Methyl Jasmonate with Different Wavelengths of Light on Plant Cellular Repair

SRC Review Status: Pass: *APPROVED*

Juwairyah Syed

Oregon Islamic Academy

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please
complete ASAP.

HS-BC-0025 The Role of DNA Repair in Resistance to Hydroxyurea Chemotherapy

SRC Review Status: Pass: *APPROVED*

Merritt Sansom

Franklin High School

Form

Problem Description

Action to resolve the problem

Special Notes

Form 7 d. Prior year's Research Plan missing

Upload to Google folder

Project Forms See special note
Summary

approved for competition will need 2020 RP for
advancing

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

SRC Review Report

HS-BE-0038 Correlation Between Enneagram Number and Brain Region Activity

SRC Review Status: Pass: APPROVED

Danielle Schroeder

Wilsonville High School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

HS-CM-0008 MicroRNA-ML: An Integrative Approach to Identification of Pan-Cancer Molecular Diagnostic Markers and Prediction of Targeted Multi-Drug Cancer Therapeutics

SRC Review Status: Pass: APPROVED

Lara Shamieh

Jesuit High School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

HS-CO-0030 SOS.net: Robust System to Harness the Power of AI for Search and Rescue Missions

SRC Review Status: Pass: APPROVED

Chandrika Bommalingaiahnapally

Jesuit High School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

Project Forms Summary All project forms correct.

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video and slide deck by next deadline.

HS-CO-0034 Using a Random-Walk-Based Epidemiological Model to Predict Vaccination-based Population Immunity Thresholds for COVID-19

SRC Review Status: Pass: APPROVED

Joseph Grissom

Catlin Gabel School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

SRC Review Report

HS-CO-0037 CareHAI: A Novel Automated Multi-Modular Artificial Intelligence, Microcontroller, and Sensor-Based System for Early Diagnosis and Future Prevention of HAIs

SRC Review Status: Pass: APPROVED

Satish Shrimali

Jesuit High School

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
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HS-CO-0039 VR For Visualization of Medical Images

SRC Review Status: Pass: APPROVED

Joseph Grissom

Catlin Gabel School

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
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Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video and slide deck by next deadline.

HS-CO-0040 The Strength of Password Security

SRC Review Status: Pass: APPROVED

Juwairyah Syed

Oregon Islamic Academy

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
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Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please complete ASAP.

Form 1 b. Missing Adult Sponsor name, sig and/or date of review

For 2022, this only needs to be fixed if the student advances to ISEF.

date missing

Form 1 d. Form is incomplete

Upload to Google folder

Check proper boxes in first 4 or 5 questions please

Project Forms See special note
Summary

I think there is a version problem with the pdf print.

SRC Review Report

HS-CO-0045 Building a Regression Model to Analyze EEG Scans of Memory and Emotion Activity to Predict An Outcome

***SRC Review Status:** Major: Not yet Disqualified*

Juwairyah Syed

Oregon Islamic Academy

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Form 1	d. Form is incomplete	Upload to Google folder	Boxes need to be selected
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	
Research Plan	a. Is missing and required ASAP.	This is a MAJOR PROBLEM. We cannot review your project without a research plan. Upload to Google folder ASAP.	

HS-CO-0046 Using AI to Predict the Severity of Car Crashes

***SRC Review Status:** Pass: APPROVED*

Juwairyah Syed

Oregon Islamic Academy

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	

SRC Review Report

HS-CO-0047 Security Maximized

SRC Review Status: *Minor: Not Yet Approved*

Juwairyah Syed

Oregon Islamic Academy

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Form 1	d. Form is incomplete	Upload to Google folder	Not filled out
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	
Project Forms Summary	See special note		Wrong docs, for Huda not this project

HS-EB-0040 Dynamic Extraocular Filtering: A Novel Method for Active Correction of Color Vision Deficiency, validated with Steady-State Visual Evoked Potentials

SRC Review Status: *Pass: APPROVED*

Alexander Mamchik

Jesuit High School

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	

HS-EE-0041 A Wearable Triboelectric Nanogenerator Based Sensor For Monitoring And Rehabilitation of Children With Cerebral Palsy

SRC Review Status: *Pass: APPROVED*

Lara Shamieh

Jesuit High School

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	

SRC Review Report

HS-EE-0044 The Zarina Cane

SRC Review Status: *Major: Not yet Disqualified*

Juwairyah Syed

Oregon Islamic Academy

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Form 1B	c. No Parent Sig/Date	Upload to Google folder	
Form 1B	b. No Student Sig/Date	Upload to Google folder	
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	
Project Forms Summary	Permissions wrong, project materials not viewable	need to set to Any with link may View	
Research Plan	a. Is missing and required ASAP.	This is a MAJOR PROBLEM. We cannot review your project without a research plan. Upload to Google folder ASAP.	

HS-EE-0047 Extensions on a Robotics Arm

SRC Review Status: *Major: Paperwork not received*

Stephen Scannell

Gresham High School

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	
Project Forms Summary	No link	You need to add a google folder link to turn in project materials.	

SRC Review Report

HS-EE-0048 Exploring with color and distance sensors
SRC Review Status: *Major: Paperwork not received*
Stephen Scannell Gresham High School

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Project Forms Summary	No link	You need to add a google folder link to turn in project materials.	
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	

HS-EN-0006 Development of Air Quality Prediction Tool for Portland Metro Area Using a Novel Machine Learning Method

SRC Review Status: *Pass: APPROVED*
Yuchen Huang Lincoln High School

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	

HS-EN-0032 Boundary detection of debris-covered glaciers using fractal analysis and normalized differencing of thermal and infrared bands in remote-sensed Landsat datasets

SRC Review Status: *Pass: APPROVED*
Lara Shamieh Jesuit High School

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
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SRC Review Report

HS-EN-0037 The Utilization of Hydrogen Fuel Cells to Create Clean Renewable Energy Sources

***SRC Review Status:** Pass: APPROVED*

Juwairyah Syed

Oregon Islamic Academy

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	

HS-MA-0007 Products of Reflections in Smooth Bruhat Intervals

***SRC Review Status:** Pass: APPROVED*

Gunjan Tiwari

Krishna Homeschool

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	

SRC Review Report

HS-MA-0010 Why the Shoe: Exploring Breathability & Wear Test Feedback

SRC Review Status: *Major: Not yet Disqualified*

Juwairyah Syed

Oregon Islamic Academy

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Form 1	d. Form is incomplete	Upload to Google folder	Not completed
Project Forms Summary	Permissions wrong, project materials not viewable	need to set to Any with link may View	research plan
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	
Research Plan	a. Is missing and required ASAP.	This is a MAJOR PROBLEM. We cannot review your project without a research plan. Upload to Google folder ASAP.	

HS-ME-0058 The Effect of Age on Gene Therapy Efficacy for RPE65 Leber Congenital Amaurosis: A Pooled Analysis

SRC Review Status: *Pass: APPROVED*

Wei He

Lakeridge High School

<u><i>Form</i></u>	<u><i>Problem Description</i></u>	<u><i>Action to resolve the problem</i></u>	<u><i>Special Notes</i></u>
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	

SRC Review Report

HS-ME-0060 Can the use of supposedly beneficial teeth whitening products cause damage to one's enamel through prolonged exposure?

SRC Review Status: Pass: *APPROVED*

Juwairyah Syed

Oregon Islamic Academy

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please complete ASAP.

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video and slide deck by next deadline.

HS-ME-0061 The Healing Powers of Aloe Vera

SRC Review Status: Pass: *APPROVED*

Juwairyah Syed

Oregon Islamic Academy

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please complete ASAP.

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video and slide deck by next deadline.

HS-ME-0062 A Novel Diagnostic Platform for Early Detection of Substance Abuse using Predictive Algorithms

SRC Review Status: Pass: *APPROVED*

Ravishankar Kuppuswamy

Jesuit High School

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please complete ASAP.

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video and slide deck by next deadline.

SRC Review Report

HS-PH-0015 Properties of Galinstan with Various Additives

SRC Review Status: Pass: *APPROVED*

Galor Zhang

Lake Oswego High School

Form

Problem Description

Action to resolve the problem

Special Notes

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

HS-PL-0002 Seed Disperal of Achyrachaena mollis

SRC Review Status: Pass: *APPROVED*

Elizabeth Scott

Portland State University

Form

Problem Description

Action to resolve the problem

Special Notes

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

HS-PL-0034 Effect of Commercial Mycorrhizal Fungi on Growth Parameters of a Pioneer Species

SRC Review Status: Pass: *APPROVED*

Joseph Grissom

Catlin Gabel School

Form

Problem Description

Action to resolve the problem

Special Notes

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

SRC Review Report

HS-PL-0035 Application of radiation challenges in simulated Martian regolith with Cyanobacteria for Amaranthus hypochondricus for Space Exploration and Operations

SRC Review Status: *Major: Not yet Disqualified*

Zinzi Konig

North Bend High School

Form

Problem Description

Action to resolve the problem

Special Notes

Project Forms Summary Corrections are needed to your virtual entry.

Please upload corrections in your google folder and mark the spreadsheet with recheck.

Project Forms Summary See special note

Print Forms 1 and 1A from the Form printing page, not a screenshot.

Research Plan a. Is missing and required ASAP.

This is a MAJOR PROBLEM. We cannot review your project without a research plan. Upload to Google folder ASAP.

HS-PL-0036 Sustainably Creating a Durable Paint from Fruits and Vegetables

SRC Review Status: *Pass: APPROVED*

Juwairyah Syed

Oregon Islamic Academy

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please complete ASAP.

Project Forms Summary All project forms correct.

Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.

HS-PL-0037 The Pepper Project: Growing Stronger Peppers Using Tea Leaves as Fertilizer

SRC Review Status: *Pass: APPROVED*

Juwairyah Syed

Oregon Islamic Academy

Form

Problem Description

Action to resolve the problem

Special Notes

Abstract Online abstract form needs to be filled out.

This is the first thing a judge will see. Please complete ASAP.

Project Forms Summary All project forms correct.

Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.

SRC Review Report

HS-VE-0054 A Novel approach to Coral Rehabilitation

SRC Review Status: Pass: APPROVED

Lara Shamieh

Jesuit High School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

HS-VE-0056 Using Fungi for Removing Heavy Metal Contamination from Superfund Sites

SRC Review Status: Pass: APPROVED

Joseph Grissom

Catlin Gabel School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

HS-VE-0057 Callus Tissue Growth & Response After Exposure to Carcinogens, Parabens, and Growth Hormone-like Substances

SRC Review Status: Pass: APPROVED

Joseph Grissom

Catlin Gabel School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

Project Forms All project forms correct.
Summary

Congratulations, your paperwork is good.
For Virtual Fairs make sure to upload video
and slide deck by next deadline.

HS-VE-0060 Optimization of Leachate Generation to Identify Environmental Factors Influencing Tire-Wear Particle (TWPs) Toxicity

SRC Review Status: Pass: APPROVED

Vikas Sharma

Jesuit High School

[Form](#)

[Problem Description](#)

[Action to resolve the problem](#)

[Special Notes](#)

SRC Review Report

HS-VE-0061 Solving Crude Oil Spills Through The Use Of Sorbents

SRC Review Status: *Minor: Not Yet Approved*

Juwairyah Syed

Oregon Islamic Academy

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Abstract	Online abstract form needs to be filled out.	This is the first thing a judge will see. Please complete ASAP.	
Form 1B	a. Form is missing and is required	Upload to Google folder	
Project Forms Summary	Corrections are needed to your virtual entry.	Please upload corrections in your google folder and mark the spreadsheet with recheck.	
Project Forms Summary	See special note		NH form 1B needs permissions changed to Any with link may view

HS-VE-0062 Constructing a Compost-Substrate Microbial Fuel Cell

SRC Review Status: *Pass: APPROVED*

Juwairyah Syed

Oregon Islamic Academy

<u>Form</u>	<u>Problem Description</u>	<u>Action to resolve the problem</u>	<u>Special Notes</u>
Project Forms Summary	All project forms correct.	Congratulations, your paperwork is good. For Virtual Fairs make sure to upload video and slide deck by next deadline.	