

Submitting the Research Papers – 2025 FJAS competition

ALL Entries MUST be received by 11:59 pm on January 19th , 2024.

Submit all papers to 2025 FJAS Project registration

Please fill out a **new** form per student entry.

Please note: The FAS council has been inundated with submissions from FJAS. In order to forestall a proposal to limit the number of submissions possible from a chapter, they have requested that teachers or sponsors please make sure that all submitted papers follow submission guidelines. All experimental papers must have data already collected and must not merely be a proposal.

BEFORE YOU START: Information required:

Paper Submission Requirements (Loss of 5 points for failure to comply):

Each paper should be sent as an attachment to the form

· **Students MUST provide the following information:**

- Student name
- Grade in school
- School

Ø Category of paper:

○ **First Choice**

§ Biological,

§ Environmental,

§ Medical,

§ Physical

§ Behavioral

○ **Second Choice:**

§ Biological,

§ Environmental,

§ Medical,

§ Physical

§ Behavioral

PLEASE list a second choice, *if applicable*, for the project.

Ø Title of paper (exactly as it appears on the paper)

Attachment Submission Criteria (Loss of 5 points for failure to comply)

Ø Title does not exceed 30 characters

Ø Title has key words of title, **NOT** student's name **or** generic name such as "FJAS paper"

Ø Attachment is in docx or pdf

Ø Attachment does not exceed 2MB

Form Abstract Submission Rules: (you can use the same one as in your paper)

Ø Must not exceed 250 words

Ø Must not contain personal pronouns, references to "the researcher", "the scientist"

Ø Must contain a summary of the scientific question, major results, and conclusions

The paper MUST meet these guidelines:

§ Maximum of **20 pages** double-spaced.

Please check your file prior to attaching it to the entry form to make sure it meets your expectations. Not following these guidelines deducts points from the judging! Read the guidelines above.

§ Title page

§ with lay-language title (max 75 characters) and

§ **NO** mention of student name, school, acknowledgments, mentor or facility can appear on the title page, **within** the paper **or** in the title of the attachment.

§ Abstract:

§ Must not exceed 250 words

§ Must not contain personal pronouns, references to “the researcher”, “the scientist”

§ Must contain a summary of the scientific question, major results, and conclusions

Papers should include these parts: (Rough guidelines given to explain each part)

- **Background Research:** this should contain evidence of technical knowledge of the basis of the project that leads up to a valid statement of purpose and hypothesis. Sources must be cited using APA format.
- **Materials:** should be detailed and in list format
- **Procedure:** should be clear and step by step. All safety concerns must be addressed and cited according to MSDS and other relevant safety sources.
- **Data:**
 - Pictures, tables and graphs should have a title that includes independent and dependent variables.
 - Each graphic must have a descriptive caption and figure numbers must sequential and be included in the discussion
 - Calculations must be clear and valid. Units must be used for all quantitative data.
 - Projects MUST have quantitative data and credit **will not** be given for “intent to research”.
- **Discussion, Conclusions and analysis and future research** must refer back to data collected and hypotheses.
 - In this section, the author should discuss the results and their interpretation of the results. It is important that the authors draw appropriate and reasonable conclusions from their scientific data. The authors should:
 - Ø summarize the experimental results and draw conclusions from the experimental data
 - Ø discuss factors that could have influenced the results, such as sources of error or bias in interpretation
 - Ø address the significance of the results
 - Ø discuss remaining scientific questions and/or potential future experiments.
- **Bibliography:**
 - Minimum of 5 references – no encyclopedias or wikipedia
 - Must be in APA format.
 - Must include MSDS of all chemicals or BSL classification of any microorganisms used