

GLOBE INTERNATIONAL VIRTUAL SCIENCE SYMPOSIUM—BADGES AND CRITERIA FOR K–2 SCIENCE PROJECTS

GLOBE INTERNATIONAL SCIENCE SYMPOSIUM
STUDENT RESEARCH BADGE (ALL PROJECTS—OVERALL REPORT)

★★★★	★★★	★★	★	
<ul style="list-style-type: none"> • Report contains all of the criteria listed below and makes clear connections among them. • The report is well organized, neat and well presented. • The writing is clear and focused. • The report contains the five elements required for acceptance, clearly labeled. 	<ul style="list-style-type: none"> • Report contains all of the elements and most of the criteria listed below. • The report is well organized, neat and well presented. • The writing is clear. • The report contains the five elements required for acceptance, clearly labeled. 	<ul style="list-style-type: none"> • Report contains most of the criteria listed below. • The report is well organized. • The report contains the five elements required for acceptance, clearly labeled. 	<ul style="list-style-type: none"> • Report contains the five elements required for acceptance, clearly labeled. (1, 2, 3, 4 & 6) 	<ul style="list-style-type: none"> • Report submitted, but does not contain all five elements required for acceptance.

GLOBE INTERNATIONAL VIRTUAL SCIENCE SYMPOSIUM—BADGES AND CRITERIA FOR K–2 SCIENCE PROJECTS

ADDITIONAL BADGES (UP TO 6—OPTIONAL)

B1. Collaboration	B2. Community impact	B3. Connecting to a STEM Professional	B4. Interscholastic connection	B5. Engineering solution	B6. Exploring STEM Careers
All team members are listed, along with clearly defined roles, how these roles support one another, and descriptions of each student’s contribution.	The report connect a local issue to the research questions and describes possible impacts of the results.	The report clearly describes collaboration with a STEM professional that helped the students plan the investigation and understand the results.	The report describes how students planned an interscholastic or international collaboration that includes comparing data and results.	The report describes an engineering solution to a real-world problem, based on student-collected data, and makes connections to the environment.	The report describes how the project is related to a STEM career or profession, including the ways the data gathered, skills gained, or results might be used.

GLOBE INTERNATIONAL VIRTUAL SCIENCE SYMPOSIUM—BADGES AND CRITERIA FOR K–2 SCIENCE PROJECTS

Project elements and criteria (*required element)

1. **Title***
 - a. **Concise (less than 15 words)**
 - b. **Summarizes paper’s content**
2. **Summary***
 - a. **The problem**
 - b. **Research questions**
 - c. **Conclusions**
3. **Research Questions***
 - a. **Include why they are important and are of scientific interest**
 - b. **Concern some aspect of Earth’s environment (local or global issue)**
 - c. **Are answerable through scientific research appropriate to the scope of the report.**
4. **Research Methods***
 - a. **There is a direct link provided between the datasets and research question(s)**
 - b. **Data collection: A description of GLOBE protocols used to answer the research question as well as where and how data was gathered in the field (sampling method: Where, how many samples were measured)**
 - c. **The data presented are sufficient to answer the research question(s)**
5. **Results**
 - a. **Tables and graphics of data**
 - b. **Data support the conclusions**
6. **Conclusion***
 - a. **Gives a thoughtful explanation as to how the conclusion was reached**
 - b. **Put findings in context, stating why they are important or relevant**
 - c. **Impact of working with a project mentor**