

NASA SPARX Challenges & Competitions

This form serves as the solicitation application for institutions or organizations interested in partnering with Paragon TEC for the 2021-2022 NASA SPARX Challenges and Competitions pilot implementation and evaluation.

Progress cannot be saved and the application must be completed in one session. Applications may not be revised after submission. Applicants are encouraged to prepare all responses prior to online submission. A reference copy of the Application Form is available to download, but only applications submitted through this online form will be accepted.

Reference Copy of the Application Form - <https://paragon-tec.com/sparx-appform.pdf>

All proposals due on or before August 15, 2021, 11:59 p.m. EDT.

Questions may be directed to partnerships@paragon-tec.com.

Any files that are uploaded will be shared outside of the organization they belong to.

*** Required**

1. Email *

Point of Contact (POC) Information

Please provide contact information for a primary and secondary POC for your institution regarding this proposal.

2. Primary POC First Name *

3. Primary POC Last Name *

4. Primary POC Phone Number *

Use ###-###-#### format.

5. Primary POC Email Address

(if different from email provided at start of application)

6. Secondary POC First Name *

7. Secondary POC Last Name *

8. Secondary POC Phone Number *

Use ###-###-#### format

9. Secondary POC Email Address *

Institution or Organization Information

10. Name of Institution or Organization *

11. Primary Street Address *

Use ### Street Name format

12. City *

13. State *

14. Zip Code *

15. Website Address *

Enter the URL of your organization or institution's website including http:// or https://.

16. Type of Institution or Organization *

Please read the Eligibility Requirements section of the solicitation document for a more detailed explanation.

Mark only one oval.

Formal (school, district, department of education, etc.)

Informal (science or technology center, after school program, etc.)

17. Select any region where students and educators associated with your institution or organization will be located while participating in NASA SPARX. *



Check all that apply.

- West
- Southwest
- Southeast
- Midwest
- Northeast

Demographic Data

18. Select how many students in your program are anticipated to identify with each of the demographic categories listed below. *

National averages are based on data from the US Census Bureau.

<https://www.census.gov/quickfacts/fact/table/US/PST045219>

Mark only one oval per row.

	Less than or equal to the national average	Greater than the national average
American Indian or Alaska Native (1.3%)	<input type="radio"/>	<input type="radio"/>
Asian (5.9%)	<input type="radio"/>	<input type="radio"/>
Black or African American (13.4%)	<input type="radio"/>	<input type="radio"/>
Hispanic or Latinx (18.5%)	<input type="radio"/>	<input type="radio"/>
Native Hawaiian or Other Pacific Islander (0.2%)	<input type="radio"/>	<input type="radio"/>
Two or More Races (2.8%)	<input type="radio"/>	<input type="radio"/>
White, Not Hispanic or Latinx (60.1%)	<input type="radio"/>	<input type="radio"/>
Female (50.8%)	<input type="radio"/>	<input type="radio"/>

19. What percentage of students in the program are anticipated to be considered economically disadvantaged (i.e., eligible for free or reduced price meals under the National School Lunch Program)? *

Mark only one oval.

- 0%-20%
- 21%-40%
- 41%-60%
- 61%-80%
- 81%-100%

20. What percentage of students in the program are anticipated to be eligible for services under the Individuals with Disabilities Education Act (IDEA)? *

Mark only one oval.

- 0%-20%
- 21%-40%
- 41%-60%
- 61%-80%
- 81%-100%

NASA SPARX Implementation

21. Identify whether NASA SPARX will be implemented in-school or during out of school time. *

Select all that apply

Check all that apply.

- In-School
- Out of School

22. Identify how NASA SPARX will be implemented in your program. *

Mark only one oval.

- In person
- Virtual (online)
- Hybrid (combination of in person and virtual)

23. How many educators do you expect to support the implementation of NASA SPARX? *
-

24. How many students do you expect to participate in NASA SPARX? *

25. Please enter a brief description of your institution or organization and the program you are offering to implement NASA SPARX. *

26. Identify the grade level of students expected to participate in NASA SPARX. *

Select all that apply

Check all that apply.

- Early Elementary (K-2)
- Upper Elementary (3-5)
- Middle School (6-8)
- High School (9-12)

27. Describe a strategy to recruit and support educators to implement the various DoK levels and mission focus areas of the NASA SPARX Challenges and Competitions. *

Please refer to the Program Design section of the full solicitation document for additional information.

28. Describe a strategy to recruit and retain students participating in the NASA SPARX Challenges and Competitions. *

Please refer to the Program Design section of the full solicitation document for additional information.

29. Select the answer that best identifies the expertise or experience your organization or its staff have working with students in speech and debate competitions. *

Please refer to the Program Design section of the full solicitation document for additional information.

Mark only one oval.

- No experience
- 1-2 years
- 3+ years

30. Select the answer that best identifies the expertise or experience your organization or its staff have working with students in computer science or programming. *

Please refer to the Program Design section of the full solicitation document for additional information.

Mark only one oval.

- No experience
- 1-2 years
- 3+ years

Data Collection and Evaluation

31. Awarded institutions and organizations will be asked to participate in one or more evaluation activities during the pilot implementation of NASA SPARX. *

Please refer to the Monitoring and Evaluation Requirements section in the full solicitation document for guidelines.

Check all that apply.

- My institution or organization will participate in all evaluation activities (focus groups, surveys, etc.).
- In order to receive the full award funding, my institution or organization will collect and report data in a timely, accurate, and comprehensive way.
- In order to receive the full award funding, my institution or organization will submit a final report.

32. Describe your proposed methodology to meet data collection requirements including how you will be able to detail your institution's reach into underserved and underrepresented communities. *

Additional Information

33. Has your institution or organization previously partnered with NASA, participated in NASA-sponsored programming, or otherwise utilized NASA-developed content for any other projects? *

Mark only one oval.

Yes

No

34. If you answered "Yes" to the question above about prior NASA experience, please briefly describe that experience. List the name of the program(s), partnership(s), grant(s) or contract(s).

35. Use the provided budget template to outline how the funding (up to \$50,000) will be used for educator stipends, materials and supplies, travel, computer equipment and services, and other educator tools needed to support the NASA SPARX Challenges and Competitions. Upload your proposed budget here. *

Download and utilize the Budget Template: <https://paragon-tec.com/sparx-budget.doc>

Files submitted:

36. Please affirm the following statements by checking the boxes beside each statement. *

Select all that apply

Check all that apply.

- The primary point of contact is a U.S. citizen (or permanent resident), at least 18 years of age, and full-time employee of the organization.
- Applicant is a corporation, limited liability company or non-profit organized under U.S. law.
- Applicant is NOT concurrently a recipient of a NASA grant or award.
- I understand that NASA SPARX is a yearlong program that requires educator and student participation beginning in October 2021 and continues through the culminating event in April 2022.
- I agree to have at least two representatives participate in the required virtual kick-off meeting in September 2021.
- I agree that the funding provided in this opportunity will be used during the implementation period as outlined in the attached budget document.
- I agree to collect and submit signed media release forms for any photos/videos sent to Paragon TEC or NASA.

37. By typing in my full name below, I agree that all information provided in this proposal submission is accurate and complete to the best of my knowledge. *

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