



DISCOVER EXOPLANETS: THE SEARCH FOR ALIEN WORLDS

PRE-APPLICATION WEBINAR

DECEMBER 20, 2022

WHILE YOU'RE WAITING:

- 1) FIND THE TOOLBAR – IT WILL EITHER BE ON THE BOTTOM OR TOP OF YOUR ZOOM WINDOW
- 2) CLICK AUDIO “JOIN BY COMPUTER” – AND TEST YOUR MICROPHONE AND FEEL FREE TO TURN ON YOUR CAMERA IF YOU HAVE ONE!

TIP FOR VIEWING: YOU CAN RESIZE AND MOVE THE LOCATION OF THE VIDEO AND SLIDE SCREENS BY CLICKING AND DRAGGING THEM



NASA'S UNIVERSE OF LEARNING

The NASA's Universe of Learning team connects the public to the data, discoveries, and experts that span NASA's Astrophysics missions. Their team is made up of scientists, engineers, and educators who have direct connections to these missions.

All of their projects and events are designed to inspire engagement and learning in science, technology, engineering, and mathematics (STEM). Once learners get started, they often return to unlock more secrets of the universe – and perhaps even chart their own path to become a scientist or an engineer.

They offer activities and resources all free to informal educators.

To learn more: <https://www.universe-of-learning.org/home>

Discover Exoplanets is made possible through NASA's Universe of Learning. NASA's Universe of Learning materials are based upon work supported by NASA under award number NNX16AC65A to the Space Telescope Science Institute, working in partnership with Caltech/IPAC, Center for Astrophysics | Harvard and Smithsonian, and Jet Propulsion Laboratory.

STAR LIBRARY NETWORK

The logo for STARnet features the word "STAR" in a bold, yellow, sans-serif font, followed by a blue five-pointed star, and then the word "net" in a blue, lowercase, sans-serif font. A thin horizontal line is positioned below the star and the word "net".

Science-Technology Activities &
Resources For Libraries

The latest project: Solar Eclipse Activities for Libraries (SEAL) is working to prepare public libraries for TWO solar eclipses in 2023 and 2024 (and here you thought you were done with 2017)

To learn more about the project and sign up for free eclipse glasses, go to:

<https://www.starnetlibraries.org/about/our-projects/solar-eclipse-activities-libraries-seal/>

The STAR Library Network (STAR Net) is a hands-on learning network for libraries and their communities across the country. STAR Net focuses on helping library professionals build their STEM skills by providing “science-technology activities and resources” (STAR) and training to use those resources.

STAR Net is built upon a strong network of collaborators and partners, led by the Space Science Institute’s (SSI) National Center for Interactive Learning (NCIL).

Over the past decade, it has been a leader in supporting libraries in developing effective STEAM programs, through both NSF and NASA-funded projects such as NASA@ My Library and STEAM Equity.

To learn more: <https://www.starnetlibraries.org/>

The background is a collage of three images related to the 'Discover Exoplanets' exhibit. The left image shows a person looking at a display with the text 'discover EXOPLANETS The Search for Alien Worlds'. The middle image shows a display titled 'Stranger Than Fiction' with the subtitle 'How do we know what we know about the planets we have discovered?' and the 'discover' logo at the bottom. The right image shows a display titled 'Seeing the Unseen' with the subtitle 'How do we know what we know about the planets we have discovered?' and the 'discover' logo at the bottom. A central white text overlay reads 'DISCOVER EXOPLANETS OVERVIEW'. The entire image has a dark blue tint and is framed by a light blue circuit-like border.

DISCOVER EXOPLANETS OVERVIEW



EXHIBIT THEMES

The *Discover Exoplanets* exhibition provides an introduction to the search for life on other planets, and the tools NASA scientists use to search for exoplanets. The “Big Idea” for this exhibition is “NASA is finding habitable worlds in our own stellar neighborhood.”

Learning goals for patrons include:

- Understanding how our Solar System is alike, and different from, other Solar Systems
- Learning how NASA is searching for habitable worlds, and what tools scientists use to aid in this search
- Gaining a better understanding of “Our Place in Space”, including such concepts as scale, habitability, and point of view
- Understanding that NASA uses different telescopes/tools to observe different types of objects, no one instrument can answer all the questions



EXHIBIT DETAILS

- The exhibit requires approximately 700 square feet of floor space for optimal display. The display space does not have to be contiguous.
- The minimum ceiling height for exhibition components is 8 feet.
- Libraries should have wireless Internet access in the display area, and at least five electrical outlets nearby. (This allows us to remote into digital components to fix problems)
- The exhibition will travel in approximately 1-2 large shipping crates, some of which will need to be stored during the display period. Containers will not exceed dimensions of normal doors.
- Largest piece is a Green Screen with 2 addition kiosk pieces.
- New pieces will be added to this tour.
- In-person Workshop will be required. Tentatively the week of June 12th

PARTNERSHIPS

- 3 duplicate pieces are to be sent to a local partner to “advertise” the exhibit at the library
- Partners can include:
 - Rec Centers, Community Centers, Town Halls
 - Local YMCA, Churches, Refugee Centers
 - Heritage Museums, other library branches, Schools
- Pieces include:
 - A coffee table sized touch screen
 - A kiosk with banners
 - Stand alone banner

Having a partner is a key component of this exhibit, but they do not need to be established. Use this opportunity to reach out to that new partner you’ve been wanting to meet





APPLICATION QUESTIONS

Scoring Guidelines

| Score | 1 | 2 | 3 | 4 | 5 |
|----------|---|--|--|---|---|
| Question | | | | | |
| #1 | <ul style="list-style-type: none"> Does not address the question | <ul style="list-style-type: none"> Mentions community interest or past experience but provides little to no detail or explanation | <ul style="list-style-type: none"> Provides a complete, but not necessarily compelling narrative | <ul style="list-style-type: none"> Provides a compelling narrative citing most, but not all of the categories (demographics, collections, programming, prior experience with exhibits, and prior experience with programming) | <ul style="list-style-type: none"> Describes community interest in STEAM topics citing demographics, collections, and other resources/programming Describes prior experience hosting exhibitions Describes prior experience with STEAM programming |
| #2 | <ul style="list-style-type: none"> Does not address the question | <ul style="list-style-type: none"> Provides a list of staff with no further information | <ul style="list-style-type: none"> Provides a list of staff that may include titles, but no description of qualifications | <ul style="list-style-type: none"> Provides a detailed description of staff and volunteers who will do this work, but does not cite prior work. May include a CV/resume. | <ul style="list-style-type: none"> Provides a detailed description of staff and volunteers who will do this work, and cites prior work. May include a CV/resume |
| #3 | <ul style="list-style-type: none"> Does not address the question | <ul style="list-style-type: none"> Applicant briefly describes a new or underserved population | <ul style="list-style-type: none"> Applicant provides compelling information about an underserved or new population, but does not provide data, or connections to the program | <ul style="list-style-type: none"> Applicant identifies an underserved or new audience in their community Applicant cites Census or other data to make their case Applicant does NOT provide a justification for how this program specifically will help reach this audience | <ul style="list-style-type: none"> Applicant identifies an underserved or new audience in their community Applicant cites Census or other data to make their case for this audience Applicant describes how this program specifically will help reach underserved or new audiences |

| Score | 1 | 2 | 3 | 4 | 5 |
|---|-------------------------------|--|--|---|---|
| Question | | | | | |
| #4 | Does not address the question | <ul style="list-style-type: none"> Applicant lists new or existing partners | <ul style="list-style-type: none"> Applicant briefly describes new or existing partners, but without much detail | <ul style="list-style-type: none"> Applicant adequately describes new and/or existing partnerships with community entities Applicant describes project specific plans to work with the above groups | <ul style="list-style-type: none"> Applicant describes new and/or existing partnerships with community entities (may be the same org as above if doing both sides of the work) Applicant describes project specific plans to work with the above groups |
| #5 | Does not address the question | <ul style="list-style-type: none"> Provides a list of program titles with no description | <ul style="list-style-type: none"> Provides examples for each of the three program types with very little detail | <ul style="list-style-type: none"> Provides a detailed and clear program example for each of the three program types | <ul style="list-style-type: none"> Provides one detailed example for each of the three program types Lists potential partners for at least one of the described programs |
| #6 | Does not address the question | <ul style="list-style-type: none"> States where the exhibit will be displayed with no description or upload | <ul style="list-style-type: none"> States where exhibit will be displayed with no description or upload Or affirms sufficient electric/internet (not both) | <ul style="list-style-type: none"> Describes exhibition space in sufficient detail Provides picture or written description of space Or speaks to internet or electric access (not all 3) | <ul style="list-style-type: none"> Describes planned exhibition space in sufficient detail Describes access to electric and internet Uploads a picture or provides written description of space |
| Need Score: This score represents your overall impression of need for this venue | No demonstration of need | | <ul style="list-style-type: none"> Medium need demonstrated through demographics, census data, budget information, or other description of library needs | | <ul style="list-style-type: none"> High need demonstrated through demographics, census data, budget information, or other description of library needs |
| Overall Score: This score represents your overall impression of this application. It can be used to account for items not directly described in the questions | Low | | <ul style="list-style-type: none"> Medium | | <ul style="list-style-type: none"> High |

