

## CAPSTONE PROJECT CHARTER



# Makerspace Curriculum in the School Library

Working with the organization reDiscover, we will expand the makerspace program at Mid City's Prescott School of Enriched Sciences school library. We will develop curriculum, materials, and a catalog of children's literature that support maker activities.

Hannah Dahl  
María José Urrestarazu  
Alex Wilensky

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## Team Information



**Hannah Dahl** (*she/her/hers*)  
[hdahl@uw.edu](mailto:hdahl@uw.edu)

I will develop a maker program curriculum that I will then facilitate with my team members. I will also help create guides of “Maker” books with activities/prompts.



**María José Urrestarazu** (*she/her/hers*)  
[mjurrest@uw.edu](mailto:mjurrest@uw.edu)

I will be responsible for the operational aspect of the project, running test sessions and ensuring that the workflow is being achieved according to our expectations. I will also collaborate with the creation of lesson plans/guidelines, translating them into Spanish.



**Alex Wilensky** (*she/her/hers*)  
[wilensky@uw.edu](mailto:wilensky@uw.edu)

I will be responsible for liaising with the project sponsor. I will contribute to the catalog of children’s “Maker” books and activity guides. I will help facilitate test runs.

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# Sponsor Information



**Hanabee C.**, reDiscover Center  
[hanabee1@rediscovercenter.org](mailto:hanabee1@rediscovercenter.org)  
<https://rediscovercenter.org/>

### **Sponsor's Role**

Our sponsor will provide feedback and ideas as we develop the makerspace curriculum, lesson plan, and activity guides.

They have kindly offered to compile a guide of their previous curriculum and pedagogical work for us. As well, they have extended an invitation to sit in on their lessons and visit the Center location.

### **Time Commitment**

Expected time commitment per week will vary.

### **Communication**

We plan to communicate regularly and share information via email. We plan to have biweekly Zoom meetings to discuss ongoing work and receive feedback.

### **Alternative Contact**

Kate Zankowicz, reDiscover Center  
[kate@rediscovercenter.org](mailto:kate@rediscovercenter.org)  
(213) 448-2134  
<https://rediscovercenter.org/>

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# Project Background

Maker spaces offer an alternative space outside of a formal classroom to learn, explore, and create. Just as cooking recipes are used to create a dish, makerspace are intended to guide creation. Its main purpose is to be materialized, so the person in charge of this creation has a visual and concrete representation of certain idea, topic, subject, etc.

We want to integrate making and makerspace ideologies into school libraries so that students have even more opportunities to develop their creativity and independence. Our goal is to include makerspace kits into the library program, so students are able to transfer a theoretical knowledge into something creative.

Alex is the library aide at Mid City's Prescott School of Enriched Sciences (MCP). Earlier this Fall, the library launched a Makerspace in partnership with local organization reDiscover and the school's Parent-Teacher Organization (PTO). There has been great enthusiasm from students and their caregivers about the Maker Space but the program is limited due to staffing time constraints. Currently, students are able to check out maker tool kits from the library along with a book and creation prompts.

There is interest from the MCP library, staff and students in having an expanded maker program with lessons and activities. There is interest from reDiscover in continuing to support a school library maker program and creating materials that can be used at other school libraries.

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### Objectives

- To expand the MCP Library Makerspace program, which will showcase the benefits of makerspace programs in a school and library setting, and engage student in creative learning modalities. Benefitted party will be the MCP Library, students, and teachers.
- To create a catalog of children’s literature that have Maker connections or themes with accompanying activity guides, to support students’ ongoing independent engagement with the Maker Kits. Benefitted parties will be students, libraries and parents.
- To create materials and curriculum for reDiscover that support more Makerspaces in school libraries. Benefitted parties will be school libraries and the reDiscover organization.



### Key Deliverables

- Makerspace curriculum, sample lesson plans, facilitated two test sessions of curriculum, and collected feedback for two 5th grade classrooms. Curriculum will be tested during library classroom visits or the classroom, with teacher agreement.
- Catalog of recommended children’s “Maker” books from the MCP Library with accompanying discussion guides and creation prompts. Key themes of the catalog will be identity exploration. Books selected will be for readers in grades 1st – 5th. Develop list of recommended books to add to catalog.
- Materials in English and Spanish for school staff and student’s caregivers that highlight the importance and benefits of a makerspace in the library.

Please indicate if the sponsor has reviewed project deliverables:

**Yes, the sponsor has reviewed and  
Approved the project work plan above.**

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# Evaluation

Please describe how you and/or the organization will measure the outputs, outcomes, and impact of this project? If applicable, how will the sponsor determine if the work is satisfactory?

1. We will gather feedback from reDiscover about our proposed curriculum, lessons and materials.
2. The Makerspace kits will be initially tested on 5th grade students as a test run session. After its completion, feedback will be requested from students and teachers to gather a comprehensive vision about the success and effectiveness of our proposal.
3. After receiving this first feedback, we plan on performing another session with improvements. This session will also conclude with a survey/feedback request to compare the initial and final sessions.