

# Digital Nomad Design Challenge

## Research Study

**Real-World Learning. Real Skills. Real Credit.**

Students in grades 6–8 (ages 11–14) are invited to participate in a hands-on design challenge experience exploring real-world science and innovation.

**Choose 1, 2, or all 3 design challenges:**



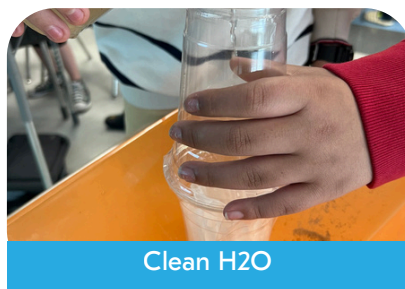
Science of Fragrance



Explore chemistry and design a purpose-driven scent



Investigate water quality and design solutions for safe water



Clean H2O



Garbology



Study waste systems and create sustainable solutions

### ***What's In It for You?***

- Access to a hands-on design challenge kit
- Real-world STEM experience from home
- Digital microcredential documenting skills
- Participation at no cost during this research pilot

**Summer 2027 voucher toward future programming** (see below)

### ***How it Works:***

1. Register for 1, 2, or 3 challenges
2. Complete a pre-survey
3. Pick up your kit from PAST
4. Complete your design challenge from home
5. Upload evidence to Probada
6. Complete post-survey

**All requirements must be completed before May 1**

**Earn Summer 2027 Credits:** Complete your design challenge, upload required evidence to Probada, and complete the pre- and post-surveys to earn credit towards PAST Foundation summer program registration:

#### **1 Design Challenge**

\$50 credit

#### **2 Design Challenges**

\$150 credit

(half-day registration)

#### **3 Design Challenges**

\$250 credit

(full-day registration)



## Designed For You!

Homeschool learners  
Hybrid students  
Microschools  
Independent learners  
Curious young people

**No grades. No seat time.**  
Learning is demonstrated  
through real work and reflection.



## Design Challenges Available (while supplies last)



### Science of Fragrance

Explore the chemistry of scent by designing your own fragrance. Students investigate ingredients, safety, toxicology, and consumer product design—blending science with creativity and marketing insight.



### Clean H2O

Design and test solutions for safe water access. Students explore water quality, renewable energy applications, and the engineering design process to address real environmental challenges.



### Garbology

Investigate waste, recycling, and composting systems. Students analyze real-world waste challenges and design solutions that promote sustainability and environmental responsibility.

SCAN



**Sign Up**  
**Today!**

### Important Details

- Ages 11–14 (grades 6–8)
- Adult mentor/supporter required
- Internet + device needed for uploads
- Participation includes pre- and post-surveys
- Survey data is anonymous and reported in aggregate
- **All submissions due May 1**