



## Supporting the Anacostia Feeder Pattern

Developing Transformative Urban Leaders in Anacostia

UNIVERSITY OF THE  
DISTRICT OF COLUMBIA  
COLLEGE OF AGRICULTURE, URBAN SUSTAINABILITY  
AND ENVIRONMENTAL SCIENCES



*UDC is an urban Land-grant University and CAUSES embodies the land-grant tradition of UDC.*

UDC land-grant mission is to improve the quality of life and economic opportunity of people and communities in the District of Columbia, the nation and the world.



# The Equity Imperative

A STRATEGIC PLAN TO REGENERATE THE UNIVERSITY OF THE DISTRICT OF COLUMBIA AS A PUBLIC HIGHER EDUCATION MODEL OF URBAN STUDENT SUCCESS 2019-2022

The University of the District of Columbia believes that the opportunity to gain an excellent education and thrive as a member of the middle class should be available to everyone.

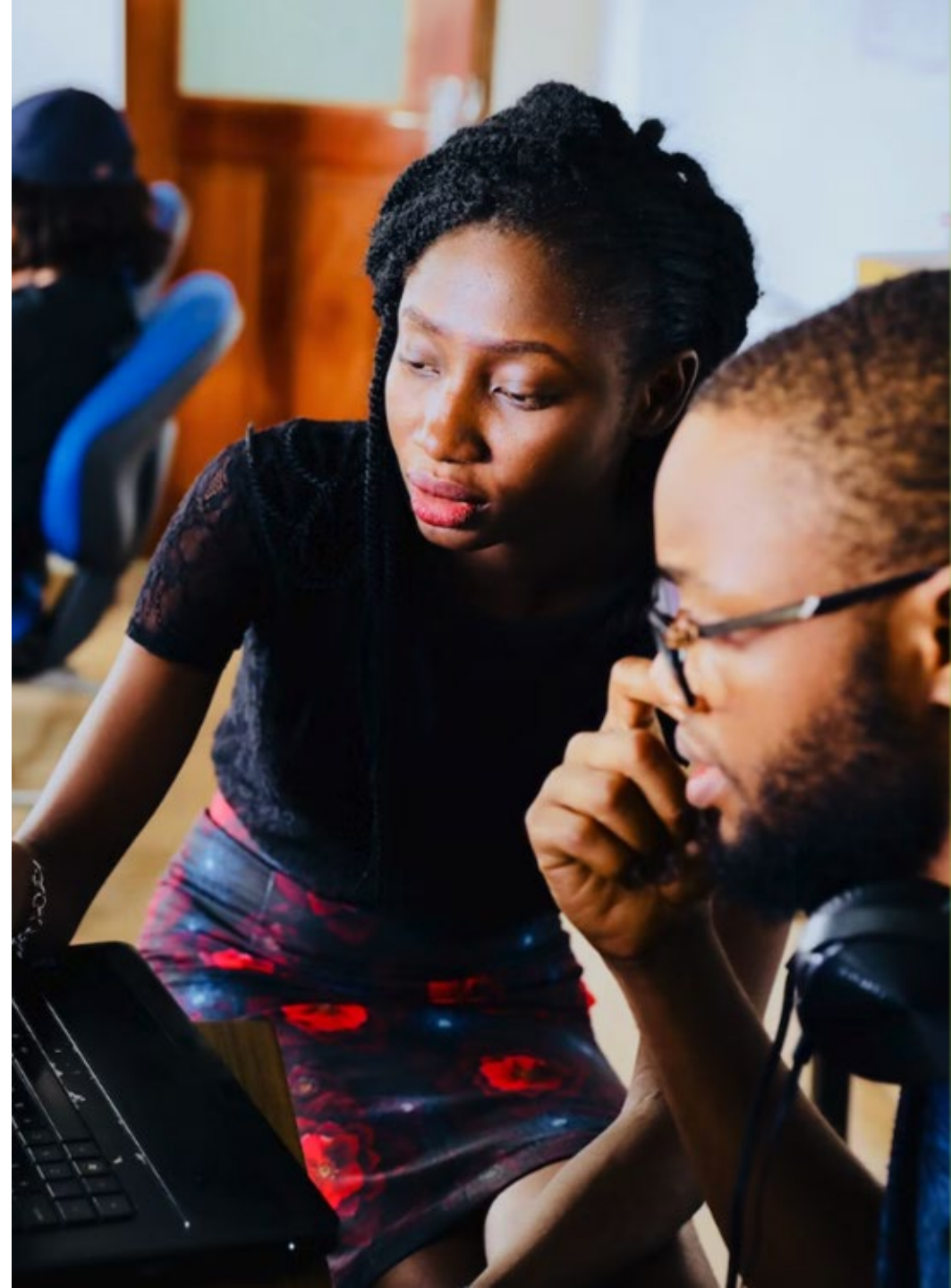
One of our top objectives is to attract more D.C. public school students in order to build a stronger pipeline of new applicants among high school graduates seeking college degrees.

## DAWN MISSION & VISION

# Develop America's Workforce Nucleus (DAWN)

At UDC, we are on a mission to create a sustainable pipeline of domestic, diverse, business-ready STEM and entrepreneurship-ready talent at all levels of the workforce, to propel America's economic engine.

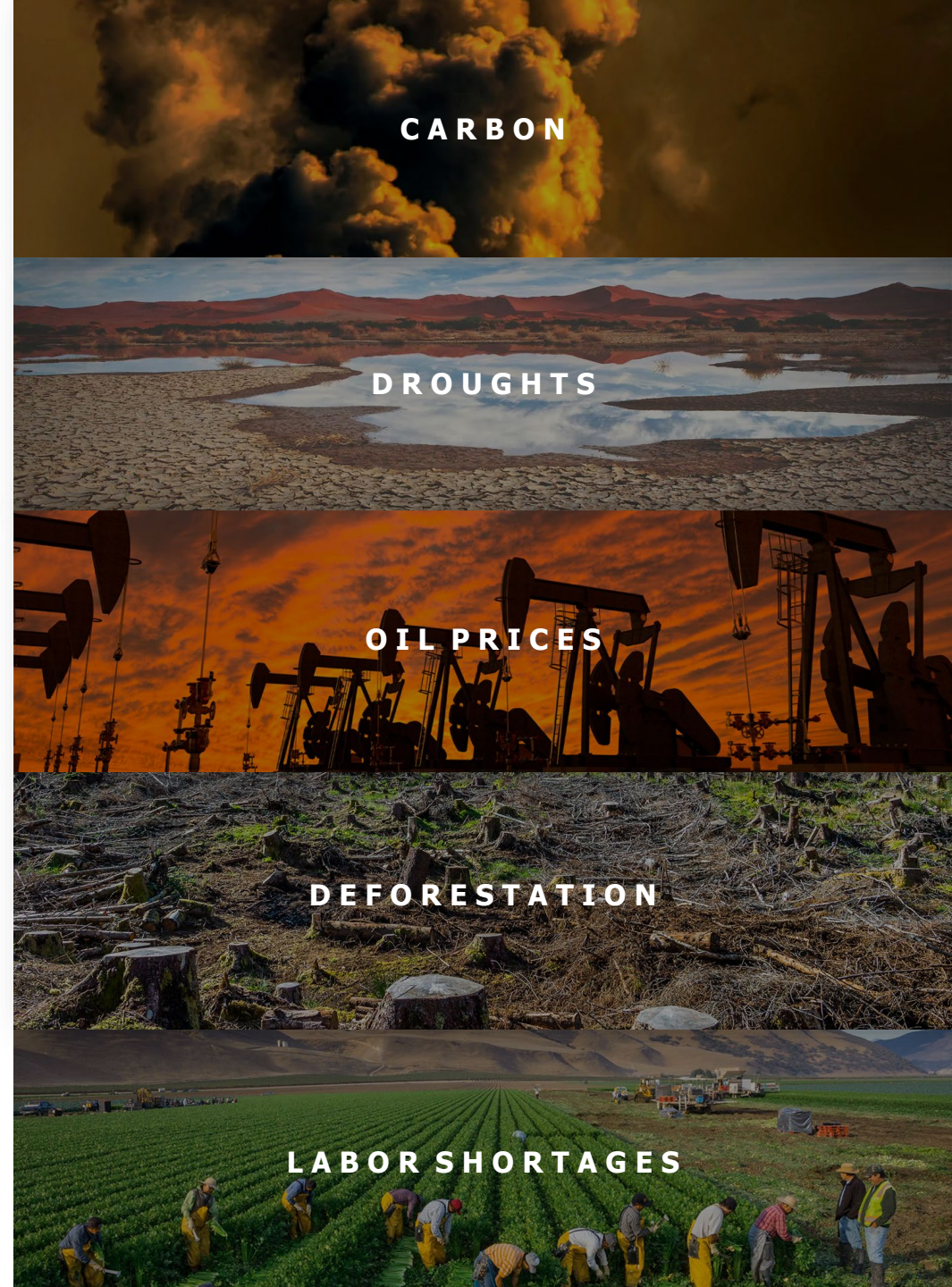
DAWN vision is to develop the next generation of innovators by creating a talent pipeline that will cultivate and increase STEM-based talent from underrepresented populations.





## Why: America Must Grow Talent to Solve Climate/Sustainability Issues

- By 2050, we'll need to feed 2 billion more people. How do we do that without hurting our planet?
- Unpredictable climate impacts the agriculture landscape. How do we secure our food supply?
- The Agriculture workforce is shrinking. The average age of farmers is 66. Where are our next generation of farmers?



# C<sup>2</sup> Academy Programmatic PILLARS (BIG BETS)



**C<sup>2</sup> Equity Academy**  
(Community-to-Career Equity Academy)

**PROJECT BASED  
LEARNING  
(PBL)\*\***

**CAREERS &  
CREDENTIALS  
(CTE)**

**COMMUNITY  
ENGAGEMENT  
AND ECOSYSTEM  
BUILDING**





## DAWN MISSION & VISION

# UDC Community to Career Partnership in Anacostia

UDC Community to Career Partnership in Anacostia is an innovative model to fast-track high school students to higher education and professional development.

- Early college high school model that allows students to earn professional certification or up to 60 transferable college credits towards an Associate Degree, while earning their high school diploma.
- Guiding students on a higher education path, taking professional certification or college courses as opposed to just preparing for college. It helps make college “accessible” for low-income, urban learners.
- More than just earning credits or certificates, but opens the “college experience” to students and families



DAWN INVESTMENTS IN CAUSES

# Hands-On Activities STEM Gardens For All Levels



## Elementary Schools

### Mini Garden

Grows up to 6 plants, great introduction to the concept to hydroponics



## Middle Schools

### Future Farmer Kit

Grows up to 96 plants, great for intro STEM classes



## High Schools

### Hydroponic Rack

Grows up to 360 plants, robust STEM Garden



## Colleges

### Mobile Lab

Grows up to 4,100 plants, advanced hydroponic farming system













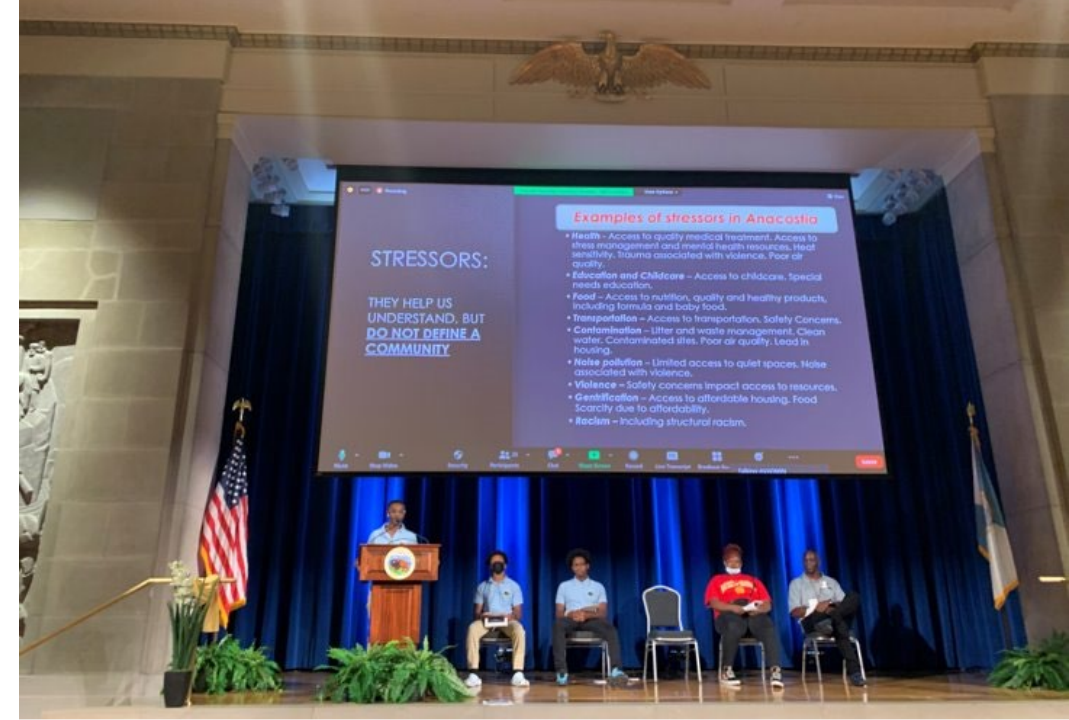


## DAWN INVESTMENTS IN CAUSES

# Pathway To Future Careers Through Internships

UDC has forged partnerships with Industry Partners to offer student internships that are well-versed in the subject matter.

We will partner with diverse and future thinking organizations to offer an array of options for students to gain experience in.





ark Service

UNIVERSITY OF THE  
DISTRICT OF  
COLUMBIA  
1851



## Our Vision

“Through our partnership, we will revitalize urban waters and the communities that surround them, transforming overlooked assets into treasured centerpieces and drivers of urban revival.”



## Agencies

EPA

USDA

DOI

HUD

DOT

USACE

NOAA

EDA

CDC

NIHES

CNCS

USDEd

DOE

# Our Principles

- Promote clean urban waters
- Reconnect people to their waterways
- Promote water conservation
- Use urban water systems as a way to promote economic revitalization and prosperity
- Encourage community improvements through active partnerships
- Be open and honest, and listen to the communities, knowing is the best way to engage and learn from them
- Focus on measuring results and evaluation to fuel future success



# Anacostia Work Plan

The Anacostia Urban Waters Partnership will use the mission, vision, and principles of the Urban Waters Federal Partnership in supporting UDC's launch of an environmentally focused K-12 collaboration in the Anacostia High School feeder pattern.

Our goal is to create an ecosystem that connects greater Anacostia back to the river, park, and our Partners. We are working to create a space that allows for innovation and equitable community development guided by the community.

# Anacostia Work Plan Goals

- ▶ Create a new generation of Environmental & Social Justice Leaders
- ▶ Reconnect citizens, starting with students, their caregivers and teachers to their waterways & parks in Anacostia
- ▶ Build a network of community and federal Partners
- ▶ Create a pipeline for students to get well-paying environmental justice & engineering internships and summer jobs
- ▶ Promote economic revitalization and prosperity through a Post-Secondary Partnership, including an Early College at Anacostia High School
- ▶ Encourage community involvement and stewardship through active partnerships, including the revitalization of the Anacostia Parent Teacher Organization
- ▶ Engage and hear the needs of the Anacostia community by hosting community meetings
- ▶ Measure results and evaluate factors to future success



# Current Initiatives

- ▶ Environmental and STEM career awareness activities and events
- ▶ Development of an Early College with DCPS at Anacostia High School (UDCC<sup>2</sup> @ANA)
- ▶ Anacostia High School's community service efforts
- ▶ Installation of Green Infrastructure in the Anacostia High School Feeder Pattern, including urban gardens and a planned greenhouse
- ▶ Partnering with DOEE and Urban Waters partners to assist Electric Vehicle Grand Prix
- ▶ Planned collaboration with U.S. Fish and Wildlife Service on the Anacostia River Mussel Project

# How Can Urban Waters Help?

- We are an extra hand:
  - Technical Expertise
  - Grant Writing Skills
  - Connecting to New Partners & New Opportunities
- We provide an opportunity for additional partnering:
  - Federal
  - Nonfederal

**Urban Waters is an opportunity to leverage resources and tools**

