



IDEA

BANK 

Climate ideas for youth to make Dubuque more viable, livable, and equitable

 **Sustainable Dubuque** 



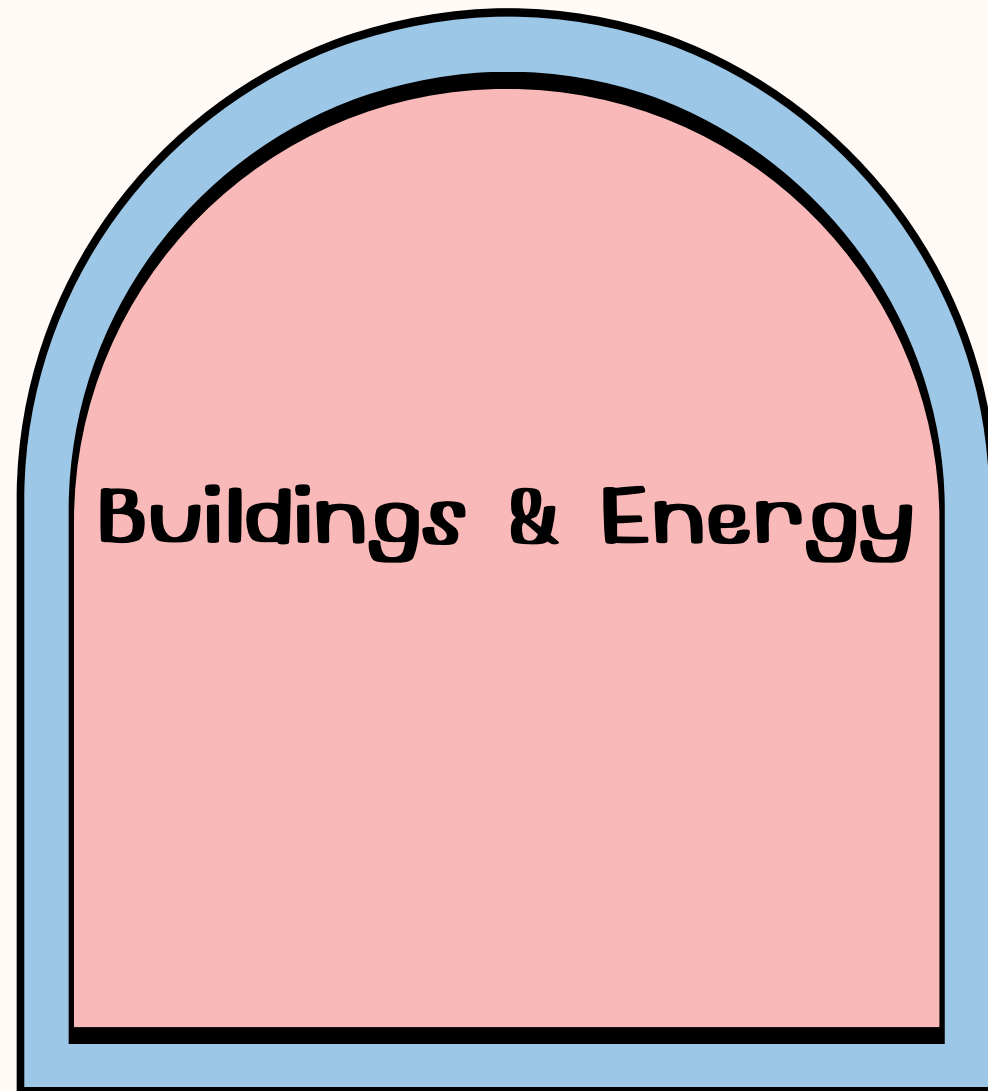
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Buildings & Energy

**1. CREATE A BENEFITS
OF SOLAR CAMPAIGN**

**2. BECOME A C3
LEADER**

**3. WEATHERIZATION
ASSISTANCE TEAM**



1. **Eager to explore the realm of solar panels and the opportunities they present financially, environmentally, and economically?**
 - a. **Collaborate on launching a campaign that highlights the benefits of solar energy**
2. **C3 Leaders represent the upcoming generation of individuals interested in leading climate action efforts**
 - a. **Collaborate with environmentalists, community organizations, volunteers, and professionals to support and expand sustainability initiatives**
3. **Are you curious about enhancing the energy efficiency of your home, workplace, school, ect.?**
 - a. **Engage with assembling weatherization kits and gaining knowledge about implementing energy-efficient practices**

Buildings and Energy

- **BE1 Increase Distributed Renewable Energy**
 - **BE1 - B - 3: incentivize local renewable energy projects**
 - **BE1 - D - 1: coordinate and promote residential solar group purchase campaign**
- **BE2 Reduce Citywide Energy Consumption**
 - **BE2 - B - 1: conduct a citywide heat island impact, identify areas of high heat island contribution**
 - **BE2 - B - 6: explore the development of a ‘cool roof’, ‘cool building’, and/or ‘cool pavement’ pilot project to demonstrate heat island mitigation strategies**
- **BE3 Promote Fuel Switching to reduce on-site fossil fuel use**
- **BE4 Increase Renewable Energy share of Electric Grid**
 - **BE4 - A - 2: collaborate with Alliant Energy to establish policies allowing for community solar and wind gardens and/or shared solar**

**1. CAMPAIGN SUPPORTING
PUBLIC TRANSIT**


**2. BIKE TO
SCHOOL/WORK CAMPAIGN**

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**Transportation &
Land Use**

Transportation and Land Use

- **TL1 Decrease Vehicle miles traveled (VMT) by 10% by 2030**
 - **TL1 - A - 1: update, fund, and adopt a comprehensive Complete Streets Policy**
 - **TL1 - B - 7: participate, promote, engage, and support bike to work/school**
 - **TL1 - E - 4: outline clear policies for electric bikes, skateboards, and scooters on bike lanes, paths, and trails**
- **TL2 Support and Encourage Alternative fuel vehicles**
 - **TL2 - B - 7: organize and promote electric vehicles and EV charging stations campaign**



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**Solid Waste &
Recycling**

**1. DONATE DON'T
DUMP**

**2. ZERO WASTE
MOVEMENT**

**3. TOO GOOD
TOO WASTE**





Solid Waste & Recycling

- 1. Organize an annual event for colleges and/or the community to repurpose unwanted or underserved items instead of discarding them**
- 2. Collaborate with local businesses, non-profits, organizations, schools, ect. to reduce waste generation across various sectors, providing opportunities for community involvement and giving back**
- 3. Passionate about the fashion industry? Explore ways to expand your knowledge in sustainable fashion and educate others in the community about the significance of reusing, recycling, and repurposing clothing**

Solid Waste and Recycling

- **SW1 50% Diversion by 2030**
 - **SW1 - B - 3: implement a plastic straw/stirrer-free policy for businesses**
 - **SW1 - B - 7: expand consumer education on sustainable consumption and material management**
 - **SW1 - C - 5: combat food wasting by requiring retailers and restaurants to donate, reduce, reuse, and compost their unsold food**
 - **SW1 - C - 9: provide a kitchen best practices guide to help households and businesses reduce food waste and excessive portions**
- **SW2 Waste Education**
- **SW3 Achieve 100% Beneficial use of Landfill Gas**

**1. CREATION OF
RAIN GARDEN(S)**

**2. DMASWA - LANDFILL
SAVE/RUMAGE**

3. WATER TESTING

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**Water,
Wastewater, &
Flooding**

- 1. Passionate about water conservation? Set up rain gardens to harvest rainwater effectively while also exploring rainwater collection methods**
- 2. Interested in innovative approaches to repurpose landfill-bound items? Collaborate with the DMASWA to find creative solutions for repurposing or reconstructing discarded items**
- 3. Curious about water science? Learn techniques for testing water samples to analyze their composition and implications, utilize information for what actions to take for water preservation and management**



Water, Wastewater, & Flooding

- **W1 Increase Water Conservation Citywide**
 - **W1 - A - 3: consider businesses and/or schools that sell single-use plastic water bottles to provide accessible drinking fountain**
- **W2 Reduce Wastewater Impacts**
 - **W2 - B - 1: install waste/storm water avoidance strategies**
 - **W2 - B - 3: Implement a policy to require installations of rainwater collection systems**
- **W3 Mitigate Flood Hazards and Impacts**
 - **W3 - A - 5: expand the use of City's SCADA system to monitor and communicate flood/storm events**
 - **W3 - A - 7: expand public education about the value of watersheds, rain gardens, and low-impact development addressing stormwater run-off**



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**Greenspace & Tree
Canopy**

**1. ROADSIDE
VEGETATION**

**2. OVERGROW THE
GOVERNMENT**

**3. PARK & RECREATIONAL
SIGNAGE**

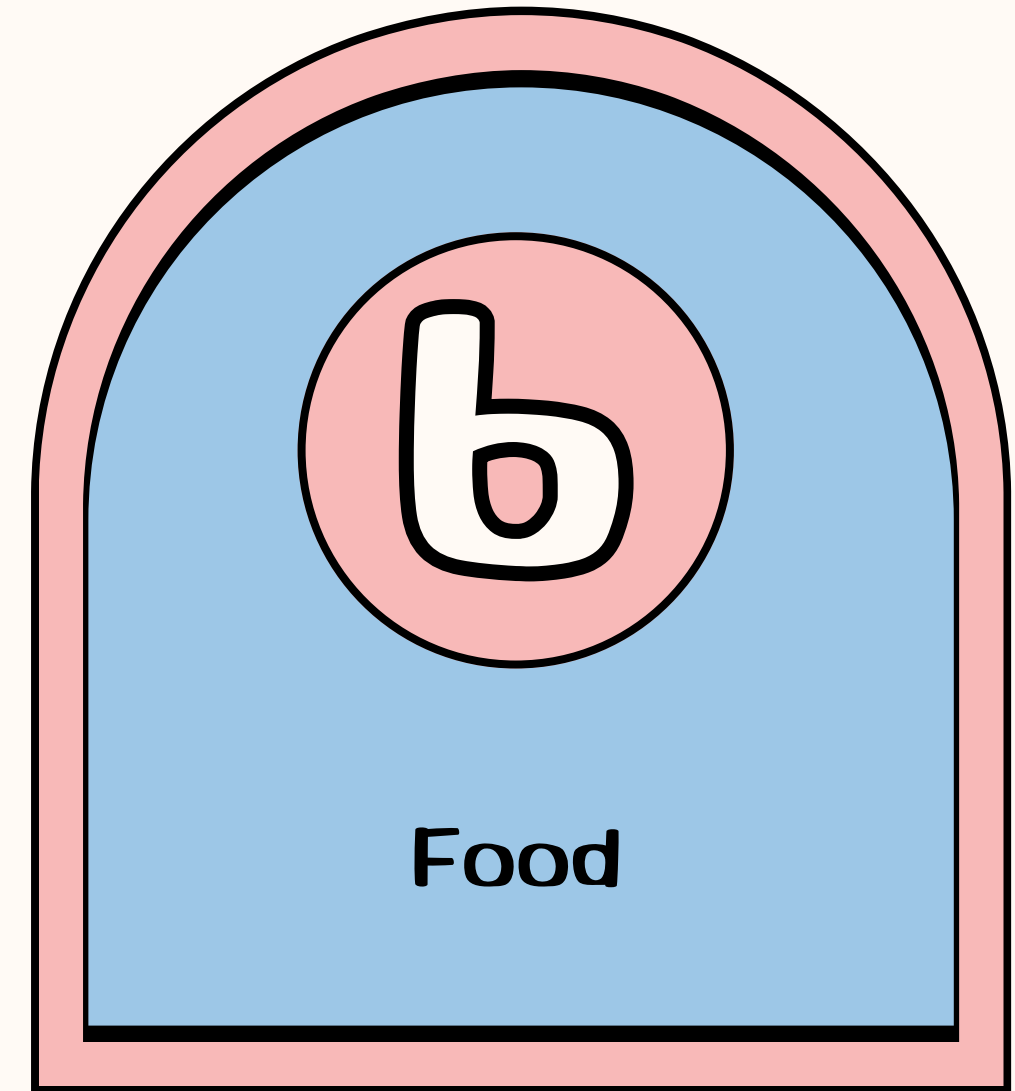
Greenspace & Tree Canopy

- **GS1 - Strengthen Dubuque's tree canopy**
 - **GS1 - A - 2: create and distribute tree and wildlife guide for residents**
 - **GS1 - B - 4: promote the expansion of tree canopy in urban heat islands or areas that need air conditioning**
- **GS2 - Strengthen Dubuque's green space**
 - **GS2 - A - 5: educate citizens on the use of chemicals and water and wildlife habitat impacts**
- **GS 3 - Mitigate current and future urban heat island impacts**

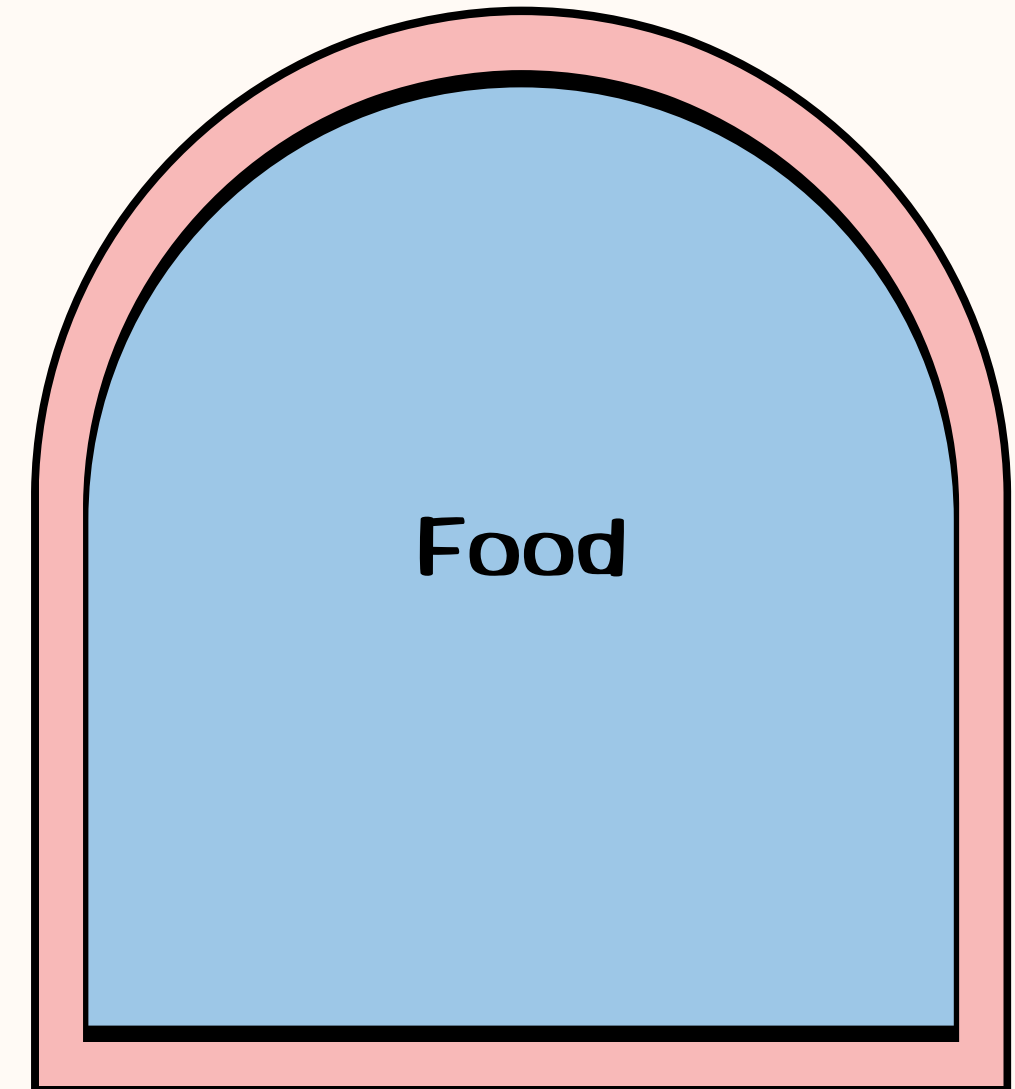
**1. COMPOSTING
STATION**

**2. LOCAL FOOD RESILIENCY
& AVAILABILITY**

**3. ENHANCE FOOD
ACCESSIBILITY**




- 1. Interested in discovering how to make the most of leftover food items? Consider establishing your own composting station or advocating for a city-wide initiative to promote awareness and responsible disposal practices**
- 2. Keen on contributing to projects addressing food insecurity in vulnerable communities? Develop a master plan that engages multiple partners to create strategies for distributing food resources to those in need**
- 3. Transform lawn spaces into edible landscapes featuring fruit-bearing trees, shrubs, and plants, and partner with local community kitchens and food shelves**



Food

- **F1 - Reduce food's contribution to climate change**
 - **F1 - A - 4: support and facilitate food donation, food rescue and distribution programs to food-insecure people**
 - **F1 -A/B - 1/2: expand residential and commercial food collection**
- **F2 - Improve local food resilience and availability**
 - **F2 - B - 1: coordinate with schools, hospitals, businesses, ect. to establish climate-friendly, locally sources foods**
 - **F2 - B - 4: expand farmers markets, local food hubs, and marketing of climate-friendly food**



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**Climate Health &
Safety**

**1. MONITORING AIR
QUALITY**

**2. GRASSROOT
PROJECTS**





**Climate Health &
Safety**

1. **Are you interested in monitoring air pollution and assessing associated risks? Utilize tools designed to identify areas where air pollution is prevalent and areas that lack sufficient monitoring**
2. **Do you encounter environmental challenges that others also face or that you notice? Take on a grassroots leadership role and concentrate on assisting underserved communities facing similar issues**
 - a. **Prepare emergency weather preparedness or custom care kits**

Climate Health & Safety

- **HS 1 - Create a climate adaptive community**
 - **HS1 - A - 5: form a team to develop action plans to address climate-related mental health**
 - **HS1 - B - 6: develop/update a heat response plan**
- **HS 2 - Educate, engage, and empower the public for climate health and safety**
 - **HS2 - A - 2: deploy point-in-time alert systems to notify people of extreme weather events**
 - **HS2 - C - 7: disseminate information about air quality index and UV index**
- **HS 3 - Address air quality impacts of climate change**
 - **HS3 - A - 5: install roadside vegetation that creates effective barriers to prevent drifting of air pollutants**
 - **HS3 - B - 8: explore potential for deploying a series of air quality monitoring stations at public facilities**

**1. GREEN JOBS -
SECTION IN THE TH**

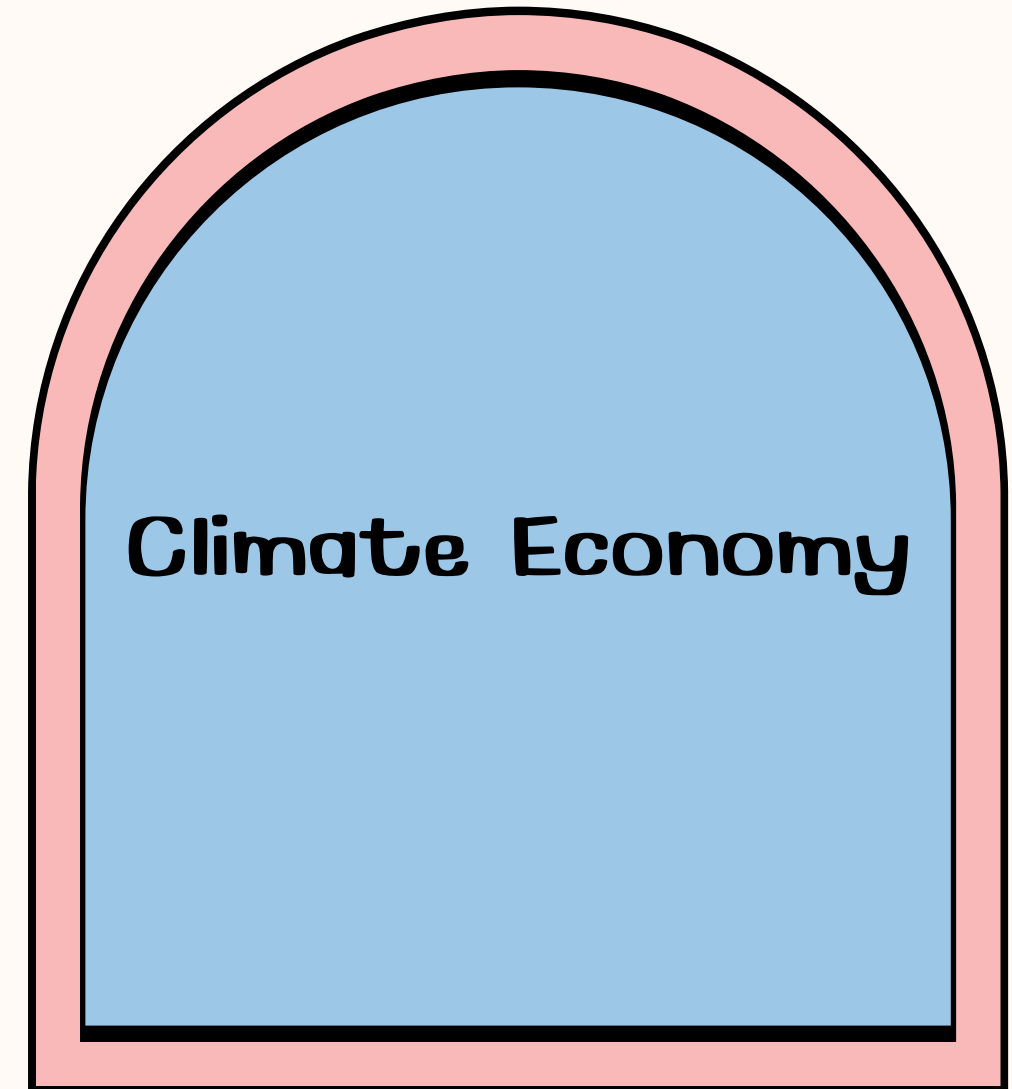
**2. SUSTAINABLE
COMMUNITY ART DISPLAYS**

**3. BECOME A VENDOR AT
LOCAL FARMERS MARKET**

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Climate Economy

1. **Are you passionate about environmental issues and eager to spread awareness within the Dubuque community?**
 - a. **Write your own articles for the TH, contribute to community education and engagement**
2. **If you're feeling creative, showcase your environmental work across the city, from streets to businesses**
3. **Looking to craft your own sustainable items, whether it's delicious treats, eco-friendly clothing, or nurturing plants**
 - a. **Become a vendor at the farmers market and support a growing sustainable economy**



Climate Economy

The Climate Action Plan for Dubuque outlines strategies to address the intersection of climate change and economic development. It highlights the importance of nurturing a climate economy, with initiatives that promote sustainability, resilience, and innovation

- **CE 1 - Capture local economic potential of climate action**
 - **CE1 - B - 3: finding resiliency solutions and cost savings, focus on increasing community equity**
 - **CE1 - C - 1: explore the creation of community development finance program to provide credit and financial services to underserved populations**
- **CE 2 - Build marketplace climate resilience**
 - **CE2 - B - 1: create an affordable housing masterplan to identify current and potential future need for affordable housing that includes scenarios anticipating climate mitigation potentials**

