

Experience Climate Change



AN OVERVIEW OF A GRC '18-'20 PROJECT
BY: BRITTANIE GIROUX



Premise + Background



- Evanston is a North suburban city of 74,000 residents. This lakeshore community borders Chicago, Skokie, and Wilmette.
- Inducted as a GRC member in 2008.
- City Council passed the Climate Action & Resilience Plan in December of 2018. This plan contains 13 Focus Areas and over 140 actions for Climate Mitigation & Resilience.
- Outreach, Education, & Behavior Change is the focus area that this project falls under.

Goals of Activity

Share what climate impacts look and feel like locally

Understand what decisions the City needs to make, and how the students can contribute to mitigate these local impacts

Solicit feedback about participant priorities



The Climate Mitigation section of the plan is split into six Focus Areas with corresponding Goals, Actions and Performance Metrics.

Focus Areas	Goals
Building Efficiency	Reduce building energy consumption by 35% by 2035 (from 2005 levels).
Renewable Energy	Achieve 100% renewable electricity supply for all Evanston accounts by 2030.
Zero Waste	Increase the community waste diversion rate to 50% by 2025, 75% by 2035 and Zero Waste by 2050 (from 2017 levels).
Transportation and Mobility	Reduce vehicle miles traveled; increase trips made by walking, bicycling and transit.
	Increase use of electric vehicles; decrease carbon emissions from vehicles and equipment.
Urban Canopy and Green Space	Preserve and restore Evanston's urban canopy, natural areas, native vegetation and green space to maintain and increase carbon sequestration, improve stormwater runoff detention, improve air quality, energy efficiency and livability and reduce adverse urban impacts on humans and key species such as birds and pollinators.
Outreach, Education and Behavior Change	Educate, motivate and empower Evanston residents, institutions and businesses to take meaningful action to fight climate change and improve community resilience.

Timeline

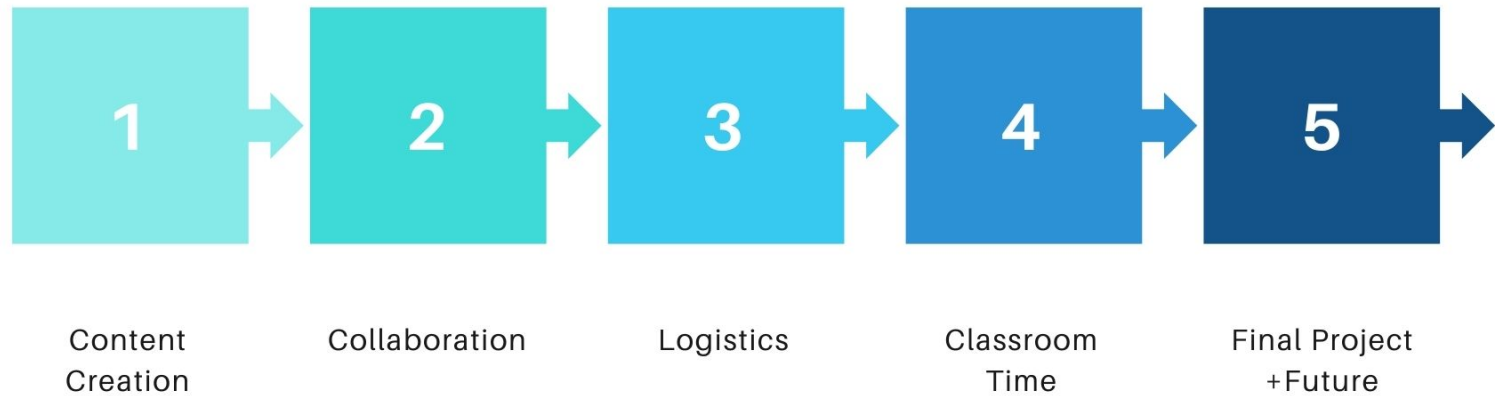


- Spring '18 – Fall '18 (Planning Stage)
- Winter '18- Summer '19 (First Iteration)
- Fall '19-Spring '20 (Second Iteration)
 - Research & Content Creation
 - Focus Group Sessions- Community Partners & City Staff
 - Community Meetings- D65 Teachers & EvanSTEM
 - Printing Quotes & Logistics
 - Curriculum Review w/ Teachers
 - Classroom Lessons & Climate Projects
 - Climate Action Fair

Process



EXPERIENCE CLIMATE CHANGE PROCESS

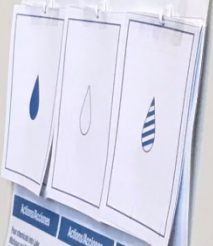




Water/Agua

Las lluvias experimentaron un gran aumento la noche del 2 de agosto en la zona de Evanston and Chicago. There was so much rain that it flooded the sewer systems in Evanston and Chicago and stormwater mixed with the raw sewage (the stuff that goes down the drains and toilets). In order to keep basements from flooding the stormwater (the stuff that goes down the drains and toilets) is sent to Lake Michigan. The stuff that goes down the drains and toilets is sent to Lake Michigan. The stuff that goes down the drains and toilets is sent to Lake Michigan.

Después de una gran tormenta de lluvia anoche, tres pulgadas en las últimas 24 horas. Mucha lluvia que inundó los sistemas de alcantarillado en Evanston y Chicago y el agua se mezcló con las aguas residuales crudas (lo que va por los desagües y baños). Para evitar que las alcantarillas se inundaran, la mezcla de agua pluvial y aguas residuales se envía a Lake Michigan. Las alcantarillas cerradas unos días porque hay mucha lluvia en Lake Michigan.



Acciones/Acciones

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Present Design electronics like phones, computers, and video games connected to the recycling.

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Recording Session with City of
Evanston Mayor Stephen Hagerty

Implementation- The Activity



Experience Climate Change Toolkit

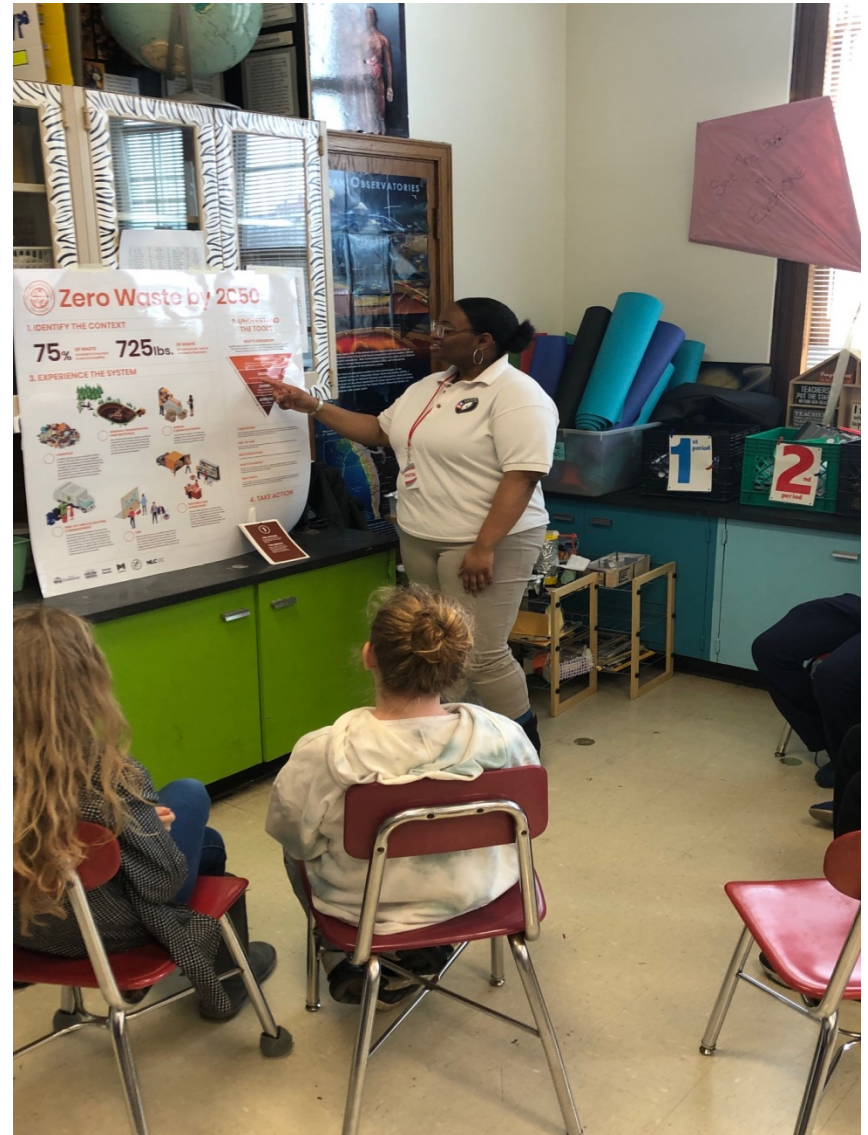
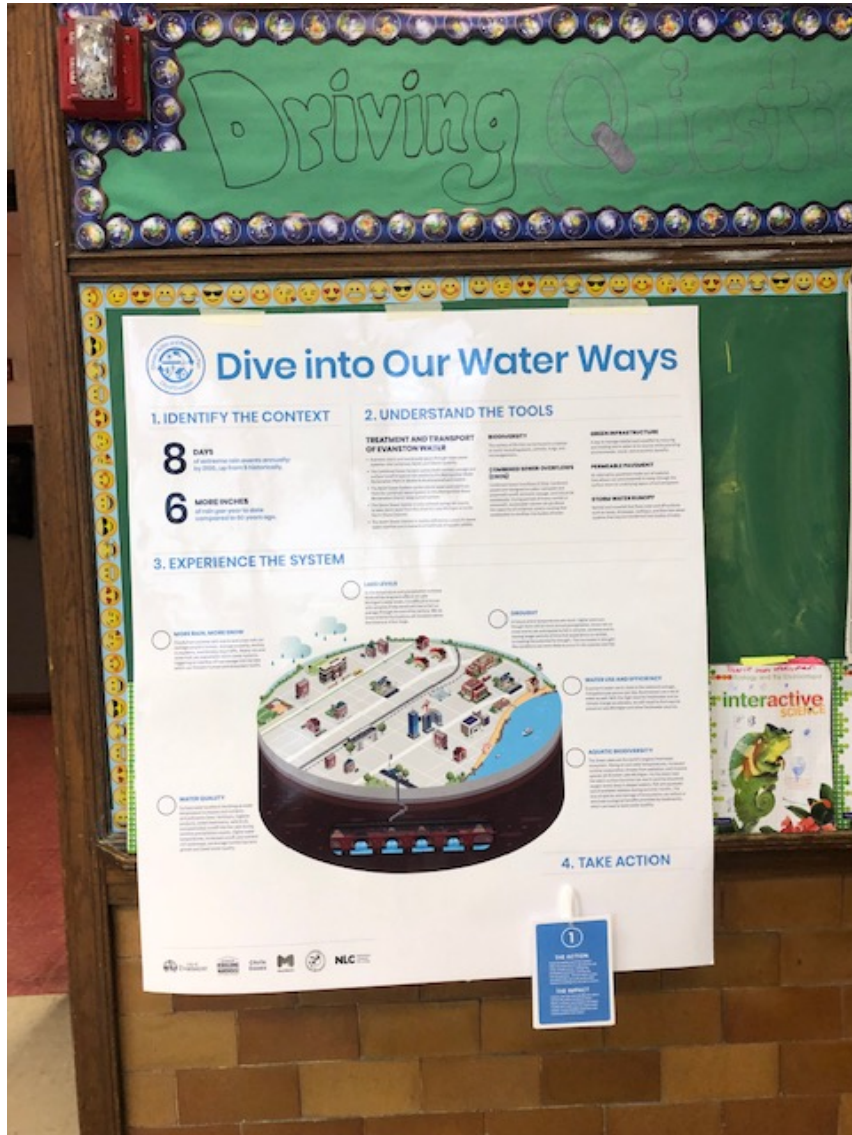
Welcome to the City's Experience Climate Change Activity Toolkit. Since the City recently adopted the Climate Action and Resilience Plan (CARP), the Office of Sustainability is excited to engage with you and your students through this experiential learning activity. We hope the students will start thinking about what climate impacts look and feel like locally, what decisions the City needs to make, and how the students can contribute to mitigate these local impacts. Below are the instructions to set up the activity.

Materials:

1. 4 Scenario Posters (Extreme Heat, Water, Waste and Air Quality)
2. Action/Impact Cards
3. Extra: Command hooks
4. Tape

Set Up:

Classroom Time!





GRC Categories

The 10 categories are:



Climate



Economic Development



Energy



Land Use



Leadership



Mobility



Municipal Operations



Sustainable Communities



Water



Waste & Recycling

The Impact

Climate: C16, C18

Leadership: L11, L39

Sustainable Communities: SC35, SC39, SC43

Water: W52

Waste & Recycling: WR22,



**Greenest
Region
Compact**

COLLABORATING FOR SUSTAINABLE COMMUNITIES

Key Takeaways



- **Collaborate** with community stakeholders (this is key!)
- **Strike the balance** between simplicity & technicality of information
- **Prepare** for conversations to segue (with kids or adults!)
- **Create** visuals

*Challenges:

- Finding institutional partners
- Information exchange/ resident to resident conversation

The Future



- Ramp up online curriculum
- Continue relationship building with community & institutional partners
- Expand to other age groups
- Case study for other cities



Extreme Heat

Extreme Heat ToolKit



Climate Action & Resilience Plan
(CARP)



Air Quality

Air Quality ToolKit



Climate Action & Resilience Plan
(CARP)



Waste

Waste Toolkit



Climate Action & Resilience Plan
(CARP)



Water

Water Toolkit



Climate Action & Resilience Plan
(CARP)

Special Thanks & Recognition

- Evanston Rebuilding Warehouse
- Chris Essex
- EvanSTEM
- District 65
- National League of Cities
- MetaMedia
- Lake Dance
- Delta Lab at Northwestern University



Resources



- You can find the Experience Climate Change posters and action cards on the City of Evanston's Website and on EL3, an online learning platform.
- <https://www.cityofevanston.org/about-evanston/sustainability/climate-change>

- <https://el-3.org/organization-details?id=1101>

Press Release on EvanSTEM & City of Evanston Collaboration

<https://www.cityofevanston.org/Home/Components/News/News/4860/17>

Lake Dance

<http://www.lakedance.org/>

MetaMedia

<https://www.mcgawymca.org/metamedia/>

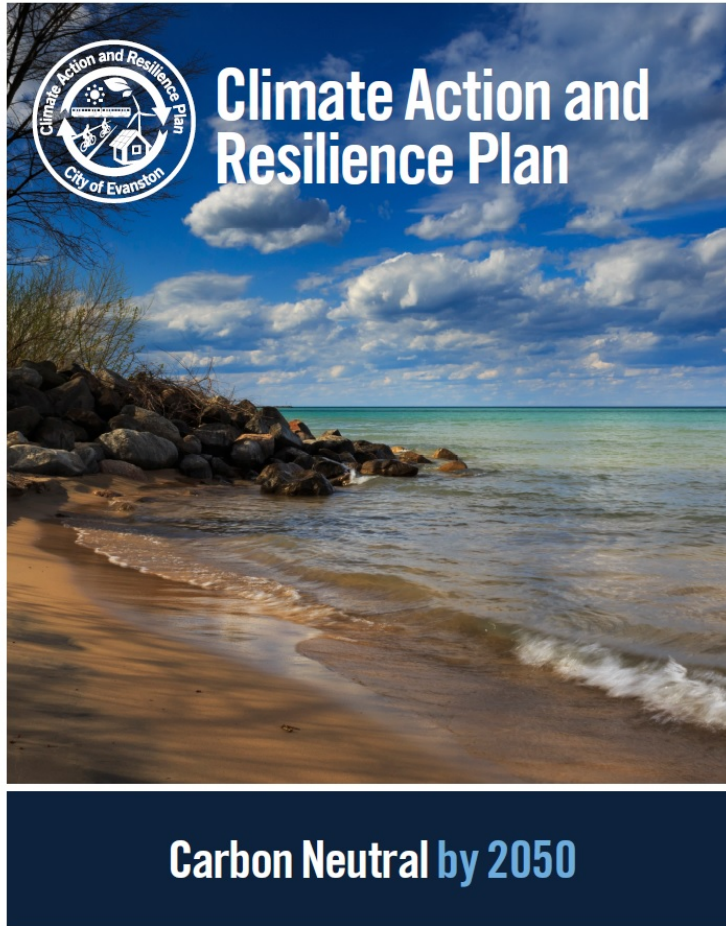
Evanston Rebuilding Warehouse

<https://www.evanstonrebuildingwarehouse.org/>

National League of Cities

<https://www.nlc.org/>

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