

School Community Assets Map, Connecting School Communities, and Student Capacities – Implementation Tools for Educators and School Leaders

Asset mapping consists of identifying individual, group and community assets, creating new lenses of natural, social, human and constructed capital within surrounding areas. A school community asset map will generate a broad view of surrounding resources, expanding educator knowledge of students’ funds of knowledge with the overarching goal of facilitating culturally responsive teaching.

Within the context of STEM learning, school community asset mapping affords students and teachers to connect with their surroundings undergirded by identifying resources, engineering design problems or questioning various studies of science.



School information

School name: Beautiful Elementary Middle School	Phone: (123) 555-1234		
School address: 5555 Marvelous Street	City: Detroit	State: MI	Zipcode: 48224

Questions for Consideration

With respect to using school community asset mapping for place-based education in science:

- What types of resources, questions or challenges might connect to science practices, crosscutting concepts or disciplinary core ideas at the desired grade level?
- What has changed in this place over time? ¹

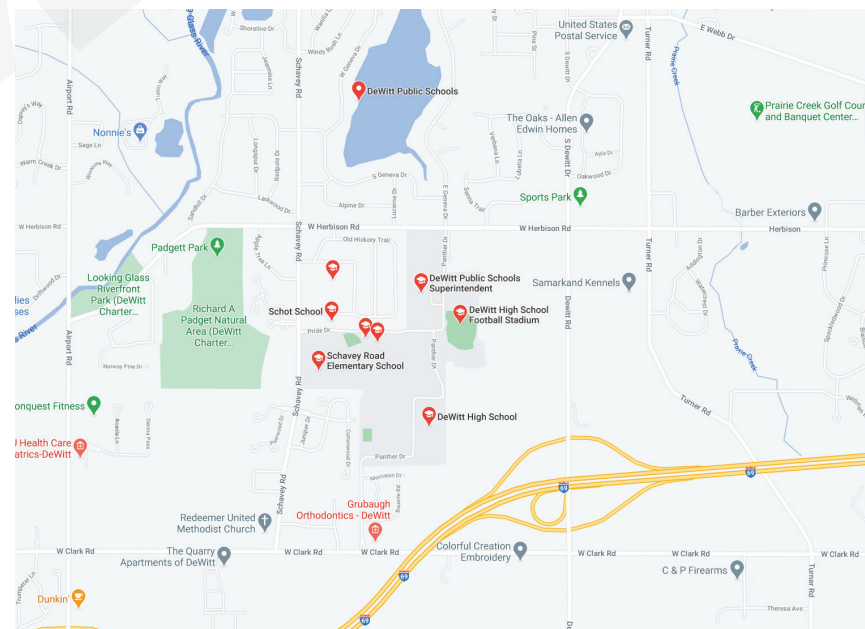
How to Use the Asset Mapping Tool

Complete this form to gain an understanding of the resources that reside in the community in which educators serve. With a lens of Project, Place, and Problem-Based Learning (3-PBL), the asset mapping tool will give educators a scope of student surroundings raising questions, problems, or challenges to be answered or explored through STEM lessons and projects.

Directions

1. Complete your school demographic/vision page.
2. Investigate and list nearby school community, youth, health, housing, food and physical space resources. Mapping can be achieved through low-tech methods such as Google Maps. Resources can also be found with your district-wide support databases.

3. Using the information from step 2, fill in the following fields to create your school community assets.
4. Complete the Connecting School Community Assets form during lesson planning or project preparation.
5. Allow students to complete the Student Capacity Inventory form before lesson planning or project preparation.



¹ Adapted from STEM Teaching Tools content copyright 2014-19UW www.stemteachingtools.org

School Demographics/Mission²

School Demographics:

Beautiful Elementary Middle School

- Title I School
- K-8th Grade
- School Hours: 8:30 a.m.-3:45 p.m.

School Demographics

- Elementary/Middle School
- Student Population: 385
- Black/African American: 98%
- Hispanic/Latino of any race(s): 1%
- White: 1%
- Free/Reduced Lunch: 100 %
- Faculty Population: 28
- Additional Professional Staff: 10

Vision/Mission Statement:

The mission of Beautiful Elementary Middle School is to provide a safe student-centered environment conducive to academic excellence. Academic development is achieved through a diverse, nurturing, technological and data-driven culture. In collaboration with parents, community and business partnerships, we cultivate lifelong learners.

² Adapted from School-Community Audit and Assessment Project Educational Leadership Constituent Council Standards 4.1, 4.4

Food Resources

(e.g., name, address, phone number, hours, web address)

Gleaners

- Phone: 866-453-2637
- Northwest Activities Center
- 18100 Myers, Detroit, MI 48235
- <https://www.gcfb.org/community-distribution-sites/>

Roberto Clemente Recreation Center

- Phone: 866-453-2637
- 2600 Bagley, 2:30-5:30 p.m., every other Wednesday
- Gleaners will provide 2 weeks of groceries

Forgotten Harvest

- Phone: 248-967-1500
- 1800 Greenfield Road, Oak Park, MI 48237
- <https://www.forgottenharvest.org/>

Health Resources

(e.g., name, address, phone number, hours, web address)

Grace Ross Health Clinic

- Phone: 248-636-0541
- 14585 Greenfield Road, Detroit, MI 48227
- <https://www.gcfb.org/community-distribution-sites/>

Beaumont Northside Family Medicine

- Phone: 313-273-1200
- 14001 Greenfield Road, Detroit, MI 48227
- www.beaumont.org

Gentle Dental

- Phone: 313-651-7260
- 13874 Grand River, Detroit, MI 48227
- www.gentledental-mi.com

Community Resources

(e.g., name, address, phone number, hours, web address)

Evangel Ministries Community Center

- Phone: 313-836-7732
- 13660 Stansbury Ave., Detroit, MI, 48227

The Heat and Warmth Fund (THAW)

- Phone: 800-866-8249
- 535 Griswold St., Detroit, MI, 48226
- Hours: 9 a.m.-5 p.m.

Detroit Area Agency

- Phone: 313-446-4444
- 1333 Brewery Park Blvd., Detroit, MI 48227

Housing Resources

(e.g., name, address, phone number, hours, web address)

Peggy's Place

- Phone: 313-862-3234
- 16700 Wyoming, Detroit, MI 48221

Coalition on Temporary Shelter

- Phone: 313-831-3777
- 26 Peterboro St., Detroit, MI 48201

The Noah Project

- Phone: 313-965-5422
- 23 Adams Ave., Detroit, MI 48226

Youth Resources

(e.g., name, address, phone number, hours, web address)

Butzel Recreation Complex

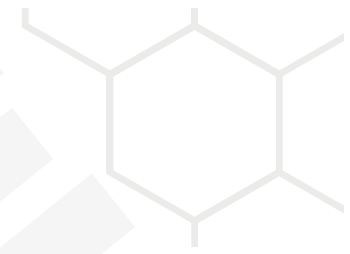
- Phone: 313-628-0990
- 10500 Lyndon, Detroit, MI 48238

Physical Space Resources

(e.g., name, address, phone number, hours, web address)

Sawyer Mini Park

- 14000 Lyndon, Detroit, MI 48227

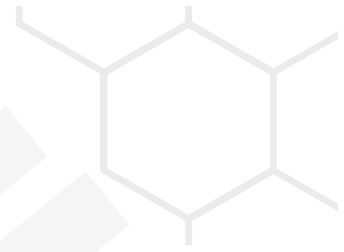


Connecting School Community Assets³

Project: The Many Functions of Walking⁴

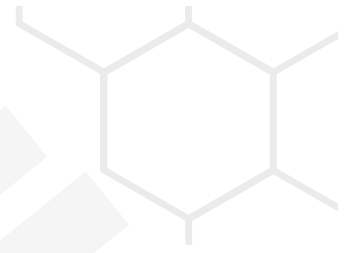
Identify your school's community assets.	How will your school's community assets enhance your lesson/project?
Community Evangel Ministries Community Center	How can Evangel assist in securing participants for the walk-a-thon?
Food Gleaners	What healthy snacks can we ask Gleaners to donate to our walk-a-thon? How many supplies will we need?
Health Beaumont Northside Family Medicine	How can Dr. Beautiful provide healthy tips regarding our walk-a-thon?

² Adapted from Asset-Based Community Development Institute, 2005 ⁴ The many functions of walking. (2020). MyPBLWorks.



<p>Youth</p> <p>Butzel Recreation Center</p>	<p>What activities can we perform at Butzel to train for the walk-a-thon?</p>
<p>Housing</p> <p>Peggy's Place</p>	<p>Should we consider donating proceeds to Peggy's Place? How can Peggy's Place benefit from our walk-a-thon donations?</p>
<p>Physical Space</p> <p>Sawyer Park</p>	<p>How can we use Sawyer Park during our walk-a-thon?</p>

² Adapted from Asset-Based Community Development Institute, 2005 ⁴ The many functions of walking. (2020). MyPBLWorks.



Capacity Inventory Form⁴

Directions: Each of us come with unique gifts from our head, heart, and hands that benefit our learning community. Please list your unique talents below.

Gifts of the Head (List what you enjoy talking about with others, e.g., science, art, movies, games, fashion.)

Gifts of the Hands (List skills or tasks you know how to do and would like to share with others, e.g., gardening, painting, cooking, carpentry, sports.)

Gifts of the Heart (List the things you care deeply about, e.g., water pollution, protecting the environment, health.)

² Adapted from Asset-Based Community Development Institute, 2005

