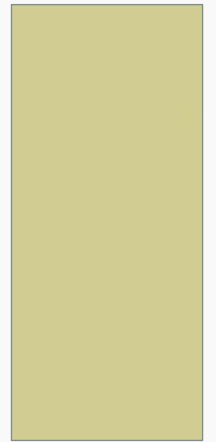


CREATING A COALITION FOR STEM

DANIA BEACH PRESENTATION



PURPOSE OF STEM COALITION

Create, develop and strengthen programs designed to increase STEM student opportunities and workforce development within each region of Broward County.

HOW TO ACCOMPLISH THIS

- Create a partnership between stakeholders: school district, city governments, local businesses, non-profit organizations, and universities that will serve as an oversight committee for the initiative.
- Develop programs/projects to offer more STEM opportunities to the students in public schools.
- Construct a plan for implementation and sustainability of authentic learning experiences for students interested in pursuing STEM careers and majors.

WHY PARTNER WITH THE CITY

The Dania Beach city government is uniquely situated to assist the schools located within its boundaries to:

- develop a well-educated workforce
- increase civic engagement
- reduce juvenile crime and other risk behaviors
- motivate participation in the learning process
- encourage participation in various authentic learning environments.

CITY'S INITIATIVES

The City of Dania Beach has several initiatives that can serve as authentic STEM learning opportunities for students.

- Waterfront Revitalization Project
- Community Garden
- Community Bus Service
- Flood Hazard Protection

Let's take a look at a couple of the City's Initiatives...

WATERFRONT REVITALIZATION

- This initiative is a Coastal Partnership with the Florida Department of Environmental Protection and the City of Dania Beach to prepare a plan for improving the waterfront facilities at the City's Beach. The project entails examining the current condition of the waterfront and producing an overall concept plan for improvement.
- This is an excellent authentic STEM project that students could assist with development of the concept plan for revitalization.

COMMUNITY GARDENS FARMER'S MARKET

- Every Saturday 8:30-noon a farmer's market is held to sell organic produce from community gardens.
- Students can design and construct gardens in the schools and sell their produce at the farmer's market to sustain their gardens.
- Excellent STEM project that teaches about nutrition, health, engineering, and economics.

FLOOD HAZARD PROTECTION

Annually the City's CRS Class 9 rating generates ~\$95K in savings on flood premiums for its residents and businesses.

You are working toward achieving a Class 8 rating which will increase the savings by 5%

Excellent STEM Project that students can get involved in through this partnership. They can use the flood map provided by the City and design strategies to reduce the risk of flooding in the highest rated communities in the city.

PROPOSED ACTIONS

- Create a partnership between the City of Dania Beach and the School Board of Broward County to create opportunities for students to participate in STEM activities before, during, and after school hours.
- Develop a plan to implement at least one STEM project that is related to the city's economic development initiatives in the schools located within the the city's boundaries.

WHAT'S NEXT

- Questions/Concerns