A brief description of each of the schools and the proposed magnet theme is included below.

Fairmount Park Elementary – A STEAM Innovation Center

STEAM (Science, Technology, Engineering, Arts and Math) curriculum offers students the opportunity to explore, experiment, explain and exhibit research through engaging real world projects. The program will emphasize an object– and project–based approach that employs the wide variety of teaching and learning resources of local museums, universities, theatres, manufacturing plants, hospitals, and engineering firms, to name a few. Additionally, the STEAM Innovation Center is proud to offer opportunities for a **comprehensive arts education.** The **performing, visual and graphic arts program** allows students to communicate ideas and feelings through music, art, theater and dance. **Instrument-based classes and ensembles** include student created **music production**. Through the arts, children solve problems using their special talents. By creating environments which promote meaningful exploration and discovery, we will facilitate innovative instruction which fosters a joy of learning and deep understanding of subjects. STEAM Innovation Center is committed to providing **a culturally diverse learning environment**.

Lakewood Elementary – International Baccalaureate Primary Years Programme (PYP), a Center for Environmental Science

PYP **prepares the whole child for a future of limitless possibilities through a concept-driven, transdisciplinary approach that is engaging, relevant, and challenging for learners.** The PYP prepares students to become active, socially conscious, lifelong learners who demonstrate respect for themselves and others and have the capacity to participate in the world around them. It focuses on the development of the whole child as an inquirer, both within and beyond the classroom. At the heart of the PYP is the IB learner profile that encourages structured inquiry, the leading vehicle for learning in which content is presented within the context of six transdisciplinary themes or guiding questions. These themes are:

- Who we are
- Where we are in time & place
- How we express ourselves
- How the world works
- How we organize ourselves
- How we share the planet

At Lakewood Elementary Center for Environmental **we focus on STEM—Science, Technology, Engineering, and Math.** In addition, students learn **Spanish and/or American Sign Language.** We will utilize the latest technology, professional speakers, community members and corporate resources to assist in the education of our students. Local and global issues will be incorporated into the curriculum with students analyzing transdisciplinary themes including 'who we are', 'where we are in place and time' and 'how the world works'.

Maximo Elementary – Enterprise Academy

We know that tomorrow's jobs and economy will be created by leaders and entrepreneurs we foster today. Not every child will be an entrepreneur, but we can inspire every child to have an entrepreneurial spirit: to lead confidently, think critically and creatively, be financially responsible, and understand the value of teamwork. Our **Entrepreneurship program** provides **project-based learning that connects science, technology, engineering, and math (STEM) with real life entrepreneurship.** Through the use of a unique curriculum aligned with academic core standards, we incorporate **hands-on economics and entrepreneurial experiences in high-tech classrooms** and apply them to **experiential learning activities which reflect the current business world.** Projects have been designed so students work on authentic problems that people care about in the real world while capitalizing on this age group's natural inclination to **be advocates for**

something. This program offers **speech and debate** to hone students' ability in the important leadership skill of public speaking as well as improve writing skills. **The Enterprise Academy Entrepreneurship program will extend Pinellas County School's Ford Next Generation Learning Innovation Center and the Ford Next Generation Entrepreneurs program to the elementary level and will feed into middle and high school entrepreneurship programs.**

Melrose Elementary – Center for Communications Arts and Technology

Through this grant, the current magnet theme, Center for Journalism and Multimedia, will be significantly revised to serve as an umbrella over a rich variety of subject offerings. **Communications will include digital, print, broadcast and social media** that will be used by students to report on all aspects of learning in the school community. These new aspects will notably feature a specialized STEAM focus, emphasizing technology and the arts. The Melrose Academy of Communications, Arts and Technology (MACAT) **will use the Expeditionary Learning (EL) model to offer students the opportunity to explore pertinent 21st century subjects while learning the importance of strong communications skills.** With **a rigorous STEAM infused curriculum and a project-based learning approach**, students will be prepared to use digital media, global technologies and **computer coding (using Code.org)** to communicate effectively in an evolving world. The philosophy of Code.org includes increasing participation by women and underrepresented students and that computer science should be part of core curriculum. Another opportunity for students to interact with interpersonal communication skills will come through performance. All students will have the opportunity to explore dance, instrumental, vocal and dramatic arts. **A violin or "strings" program will be added to the program at Melrose** and all students will have the opportunity to learn to play the violin as yet another way to communicate and express themselves artistically. Through a partnership with Ruth Eckerd Hall, a leading performance arts venue in Pinellas County, students will be supported in performance art as well as the technical aspects of the arts like sound engineering and lighting/stage design.

Sandy Lane Elementary – Contemporary School for the Arts

The Sandy Lane Contemporary School for the Arts seeks to empower kids through real life learning. Instruction in core academic areas, as well as participation in live performances and public showcases of their work will provide students with challenging learning activities that develop their ability to **demonstrate creativity, communicate effectively, collaborate with others, and assume leadership roles**. We believe it is necessary to provide all children—not just those identified as "talented"—with a well-rounded arts integrated education. **Science & Technology are interpreted through Engineering & the Arts, all based in Mathematical elements (STEAM)**. Students will make **interdisciplinary connections**, engage in **project-based learning**, and **work with local community arts and engineering professionals** as they develop and refine new skills. Students and teachers remain focused on the following **Big Ideas in the Arts: Critical Thinking and Reflection; Skills Techniques and Processes; Organizational Structure; Historical and Global Connections; and Innovation, Technology and the Future.** We are committed to building positive relationships with our diverse student population, their parents and the community to ensure student success through an environment of respect and high expectations. Children are inspired to **imagine, create and communicate** their ideas and feelings through blending a number of creative elements together to make a contemporary unified piece.