



PTO GIFTS PROGRAM

Requests for PTO Funding 2017-18

Any teacher, parent, or student who has a request for funds from the PTO must fill out this form. Please answer these questions as thoroughly as possible, providing supporting detail and information. When completed, please return to the administration at either school by **Monday, October 23, 2017**.

1. Define your request: Middlefork Makerspace Items

I am requesting two different sets of items for the Middlefork Makerspace. This is our second year of running the Middlefork Makerspace. It is constantly evolving, as are our students. It is important to keep them interested and engaged in the items in the Makerspace to keep them creating, collaborating, problem solving and communication, the “4 C’s” of 21st Century Learning.

The first is three sets of Osmo Hot Wheels MindRacers Game. These kits can be added to our existing Osmos. The Osmos are stations in the Makerspace that are constantly being used at every recess period by all grade levels. The MindRacers are the newest addition to the Osmo family. They allow students to begin races with two Hot Wheels cars, which then enter the digital world of the Osmo. Students use coins to control the cars in the digital worlds and work on skills such as real-world dexterity, quick decision-making and sportsmanship.

<https://www.playosmo.com/en/mindracer/>

Additionally, I am requesting a Classroom Pack of Dash and Dot robots. We currently have one Dash and Dot robot in the Makerspace. The Classroom Pack includes 6 Dash robots, 6 Dot robots, 6 Launchers, 6 Building Brick Connector Sets (4 connectors per set), 6 Accessory Packs, 6 Challenge Card Box Sets, 1 Learn to Code Curriculum Guide and 1 One-year Code to Learn Lesson Library subscription. Dash and Dot are the perfect robots for Middlefork Makers because they offer free apps that engage students in picture based coding and block coding and allow them to draw code for Dash to read.

<https://store.makewonder.com/#/education>

2. Amount requested:

Osmo Hot Wheels MindRacers = \$59 each x 3 = \$177

Dash and Dot Classroom Pack = \$1895

Total = \$2072

3. Can this project be funded in stages? If yes, what timetable is involved? If no, please explain your due date for funds.

Yes, we can purchase MindRacers games separately if need be. All items don't have to be purchase at the same time.

4. Has this request been reviewed by the school administration? What was their response as to its merit and priority?

Yes, Dr. Greene approved both items due to the importance of and student interest in our evolving Makerspace.

5. Number of Students that will be impacted or benefit from your request:

All Middlefork students can benefit from this request because all students have access to the Makerspace. Additionally, teachers can check out Makerspace materials for classroom use.

6. Is this a one-time request or do you envision needing additional PTO funds in the future or long range? If you will require additional PTO funds, please explain why this cannot be added into your annual budget.

This is a one time request.

7. What is the intended goal of your request? Would it have any other uses or applications? Is this a start up program or is it enhancing an existing program? Use additional paper if needed.

The goal of my request is to keep children making, tinkering and exploring in the Makerspace. The Makerspace offers an alternative setting for students to go during recess times throughout the week. My goal is to keep the Makerspace a place that students look forward to visiting each week. The additions of these items will help to offer more opportunities for students. The Dash and Dot Classroom Pack will also be used during Coding Kids lessons. Having 7 total (after purchase) will allow students to work in pairs to explore and practice coding.

These purchases will enhance the existing programs of the Middlefork Makerspace and Coding Kids.

8. What are the long range benefits of your request?

By participating in Makerspace and Coding Kids, children not only learn the 21st Century Learning Skills of collaboration, creation, problem solving and communication, but they also gain practice in persevering when faced with difficult situations or failure.

9. If you are requesting a capital asset/investment, please provide a minimum of two options/pricing quotes on the item and attach to this form. Please identify your first choice and why.

n/a

10. Have you exhausted all other funding options before coming to the PTO Gifts Program?

Yes