

CASE STUDY

## LITTLEBITS 1:1 MARYMOUNT SCHOOL OF NEW YORK

3RD - 5TH GRADES

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## CONTEXT

Marymount is an innovative, all-girls independent school in Manhattan that has been at the forefront of integrating maker education into the curriculum for students at all levels. Marymount was already using littleBits as a tool in their makerspace and had had great success with an “Invention Convention” featuring littleBits, where groups of Lower School students designed their own products and created commercials to market their unique inventions. In order to take their students’ technology literacy to the next level, the faculty and administrators decided they wanted each student to have their own “mobile makerspace” to be able to invent with littleBits across classes and subjects, both inside and outside of school.

## PROGRAM

Launching in September 2015, the Marymount 1:1 program plans to dedicate at least 90 minutes a week of class time to using the Bits in an interdisciplinary way, based on the themes in the curriculum at each level. In 3rd grade, they plan to focus on basic circuitry in their projects; in 4th grade, on the logic Bits and the beginnings of coding; and in 5th grade on programming. Marymount has designated four teachers across subjects as the STEAM Team, and these educators will help their colleagues get comfortable using the Bits as part of instruction and nurture students’ creativity. All of the Lower Middle School teachers will also be participating in littleBits training workshops, once before the fall roll-out and again in the spring to enhance and expand their skill set. A culture of innovation is woven throughout the Marymount community; during the upcoming Curriculum Night, parents will engage in littleBits design challenges as a way to explore the program that their daughters will be partaking in for the 2015-2016 school year.

## LITTLEBITS 1:1 INCLUDES



- 1 Student Set or Custom Kit Configuration per student  
(with portable storage solutions)
- 1 Invention Lab Bundle
- 1 PD seat per participating teacher
- Implementation planning and support