

# INVENT THE FUTURE PROGRAM 2021-2022 IMPACT

Invent the Future is a maker-learning experience open to all middle school students, challenging them to answer the question, "What will you make to improve life on this planet?"

Through the process of designing their own inventions in either a semester long in-school course, class, or afterschool club, students learn to **innovate, solve problems, gain confidence, engender compassion, and work with others** – all skills for future success.

The Invent the Future Challenge supports development of **innovative thinking, technical and social emotional skills, and an interest in STEM** – inspiring and supporting educators along the way with curriculum and skill building workshops.

During the 2021-2022 school year,

**1,450**

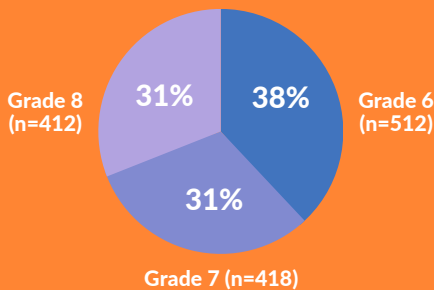
MCPS students from **15 middle schools** participated in the Invent the Future Challenge.

In the semester-long in-school course experience, each student received at least

**55**

hours of hands-on learning.

## GRADE LEVEL



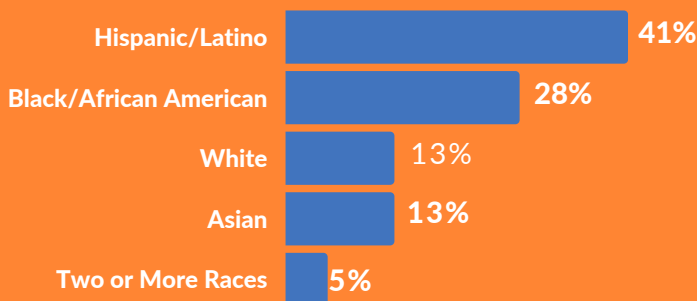
## GENDER



38% Female

62% Male

## RACE/ETHNICITY



## SERVICES RECEIVED



# INVENT THE FUTURE

**1,079**

Grade 6-8  
students from  
four Title 1 schools

**12+**

hours of hands-on  
learning per  
student

**73%**

showed an  
increase in critical  
thinking

**75%**

showed an  
increase in STEM  
engagement

**74%**

are more  
interested in  
pursuing a STEM  
job in the future

**62%**

Are more curious  
about science

**75%**

are more curious  
about technology

**68%**

Are more curious  
about engineering

*N = 110; Based on PEAR Institute Data*

# INVENT THE FUTURE EDUCATORS

**100%**

Reported an increase in  
their students' engineering  
and technology skills

**100%**

Reported an increase in  
their students' confidence  
in engineering & technology

**100%**

Reported an increase in  
their students' critical  
thinking skills

**75%**

Reported an increase in  
their students'  
perseverance

*N = 5; Based on PEAR Institute Data*