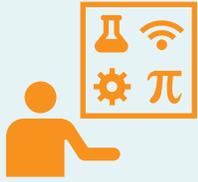


## Afterschool Builds Georgia's STEM Workforce



STEM careers in Georgia are expected to grow

**13%** by 2027.<sup>1</sup>

Georgia students performing at or above the National Assessment of Education Proficiency in math and science (2015-2017):<sup>2</sup>

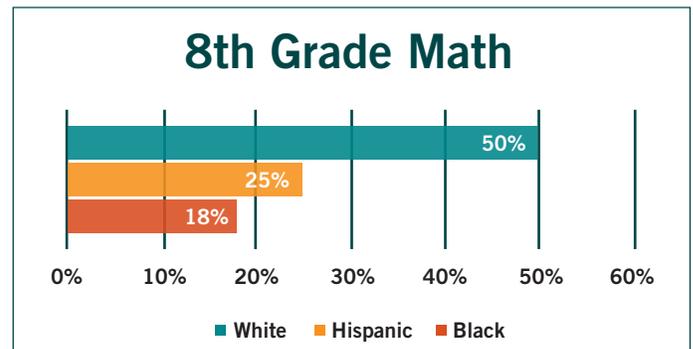
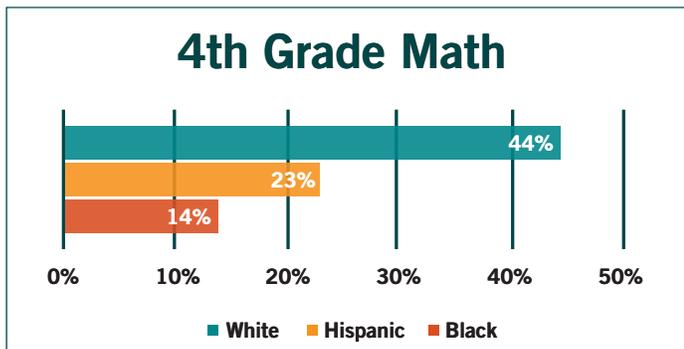
**35%**

OF 4TH GRADERS

**31%**

OF 8TH GRADERS

### INEQUITIES IN OPPORTUNITIES LEAD TO RACIAL ACHIEVEMENT GAPS IN GEORGIA



Proficiency Percentages in Georgia Math Assessments in 2017<sup>3</sup>

Historical inequities in educational opportunities, systemic barriers, and significantly fewer opportunities have resulted in unequal outcomes and continue to prevent a significant number of Georgians from reaching their full potential.<sup>4, 5</sup>

## Impact of Afterschool

Afterschool and summer learning programs are helping close the opportunity gap - which often results in a skills gap - by offering additional time and opportunities for students to experience hands-on STEM learning.

### NATIONAL STEM OUTCOMES

Survey of 1600 youth from 160 programs<sup>6</sup>



Students that have a more positive STEM identity (strongest indicator of pursuing a STEM career)

Afterschool program serving 25,000 youth<sup>7</sup>



Students that reported the program was the most important source of support for pursuing a career



Students that said it taught them to set high goals and expectations of themselves.

National program<sup>8</sup>



Students that pursued post-secondary education and careers in STEM fields.

### Afterschool provides opportunities for:<sup>9</sup>

- Enriching STEM activities such as computer science, coding, and robotics
- Critical foundational skills
- Communication skills
- Working collaboratively
- Fostering confidence
- Exposure to career pathways



### Regular participation leads to:<sup>10, 11</sup>

- Significant gains in math achievement
- Positive results in reading achievement
- Increase in STEM knowledge and skills
- Higher chances of graduation
- Higher chances of pursuing a STEM career