



# PROVEN BENEFITS

More than 25 years ago,  
the National Inventors Hall of Fame® began formally measuring the impact  
of its programs. Multiple independent evaluations have repeatedly  
confirmed both the short- and long-term benefits of these programs.

FOLLOWING **ONE** CAMP INVENTION® PROGRAM:

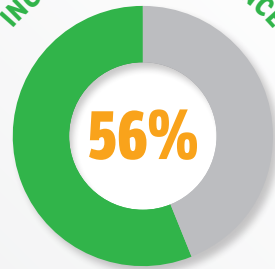
## CREATIVE PROBLEM SOLVING

Just one week of Camp Invention results in significant short- and long-term improvements in creativity, STEM interest and problem solving.<sup>1</sup> Students with multiple experiences show even higher gains.<sup>2</sup>

Over the long term, from one to four years after Camp Invention, there is even stronger evidence of growth in creativity, STEM interest and problem solving.<sup>3</sup>

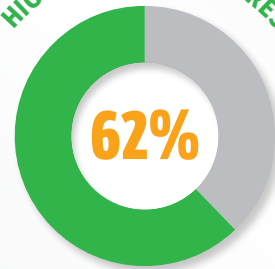
## BETTER ATTENDANCE AND TEST SCORES: CRITICAL COMPONENTS TO A COLLEGE PATH<sup>3</sup>

### INCREASED ATTENDANCE



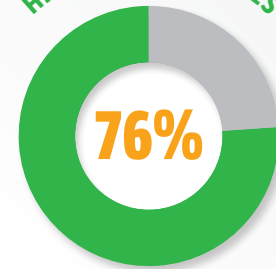
of students with high-risk absence rates demonstrated excellent attendance.<sup>4</sup>

### HIGHER READING SCORES



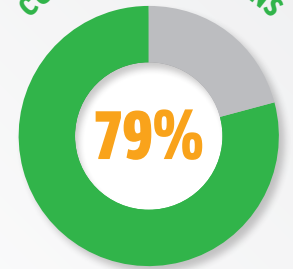
of Camp Invention participants have reading scores significantly above the district average.<sup>5</sup>

### HIGHER MATH SCORES



of participants have math scores significantly above the district average.<sup>5</sup>

### COLLEGE ASPIRATIONS



of Camp Invention participants plan to enroll in college.<sup>6</sup>

1. ChangeMaker Consulting LLC, Camp Invention Evaluation Executive Summary (2014).  
2. J. Falk, Camp Invention Evaluation Report. Institute for Learning Innovation (2018).  
3. Summit Education Initiative, National Inventors Hall of Fame Camp Invention Summer 2019 (December 2019).

4. Summit Education Initiative, National Inventors Hall of Fame Camp Invention Summer 2018 (December 2018).  
5. Summit Education Initiative, National Inventors Hall of Fame Camp Invention, a Program Component of Akron Public Schools Innovation 365 (I365): Wraparound Summer 2022 (January 2023).

6. Summit Education Initiative, National Inventors Hall of Fame Club Invention Youth View Survey Report Fall 2021 (February 2022).

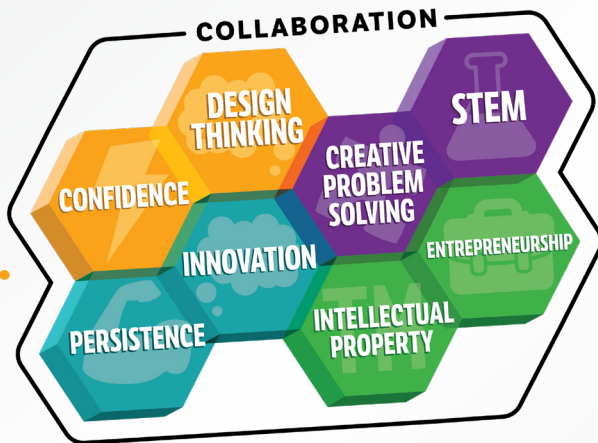


# PROVEN BENEFITS



## MORE OPPORTUNITIES TO DEVELOP AN I CAN INVENT® MINDSET

- Camp Invention supports the cultivation of an inventive mindset as children explore their self-perception as innovators.<sup>7</sup>
- Camp Invention exposes children to our Inductees, which can increase the likelihood that they will become innovators.<sup>8</sup>



## EQUITABLE OPPORTUNITIES

- Girls often approach invention through design or creativity — two elements that are central to our education programs.<sup>7</sup>

After one week of Camp, BIPOC (Black, Indigenous and People of Color) students were shown to have a stronger correlation between engineering and an inventive mindset and to self-identify as “inventive.”<sup>9</sup>

## EDUCATOR ENGAGEMENT

- Our programs influence educators’ pedagogical approaches and classroom activities,<sup>10</sup> making a positive impact on students beyond those participating in Camp Invention.<sup>11</sup>

## LIFE SKILLS

- Youth have shown improvement in their ability to collaborate after participating in Camp Invention.<sup>11</sup>
- Students’ science anxiety and math anxiety decreased with just 32.5 hours of Camp Invention programming.<sup>12</sup>



7. J.K. Garner, E. Matheny, A. Rutledge, and M. Kuhn. Invention Education as a Context for Children’s Identity Exploration. *Journal of STEM Outreach*. Vol. 4, Issue 1 (August 2021).

8. A. Bell, R. Chetty, X. Jaravel, N. Petkova, and J. Van Reenen. Who Becomes an Inventor in America? The Importance of Exposure to Innovation. *Opportunity Insights* (2017).

9. J.K. Garner and M. Kuhn. Invention Education Programming: Perceptions of Children and Teacher-Facilitators, A Technical Report Prepared for Camp Invention. The Center for Educational Partnerships, Old Dominion University (January 2022).

10. J.K. Garner and M. Kuhn. Impacts of Facilitating Invention Education on Teachers’ School Year Practices, A Technical Report Prepared for Camp Invention. The Center for Educational Partnerships, Old Dominion University (January 2022).

11. ChangeMaker Consulting LLC. Camp Invention Evaluation Executive Summary (2014).

12. R. Moore. The Impact of Invention Education Participation on Students’ Confidence and Anxiety in STEM. The Center for Education Integrating Science, Mathematics and Computing, Georgia Institute of Technology (April 2024).