PROVEN BENEFITS OF CAMP INVENTION SOLUTION

More than 25 years ago, the National Inventors Hall of Fame® (NIHF) began formally measuring the impact of its programs. During this time, multiple independent evaluations have confirmed both the short- and long-term benefits of these programs.


---

**CHALLENGES**

**INNOVATION MINDSET**

- Youth need more opportunities to develop an Innovation Mindset™.

- Peer-reviewed research shows that Camp Invention® supports the cultivation of an inventive mindset as children explore their self-perception as inventors and innovators.1

- Exposure to inventors and invention during childhood can increase the likelihood that a child will become an innovator.2 The Camp Invention program provides this exposure through our NIHF Inductee integration.

**IDENTITY ACCESS OUTCOMES**

- Girls need equitable opportunities in invention and STEM.

- While girls are less likely than boys to correlate STEM (science, technology, engineering and mathematics) and their identity as an inventive person, they might approach invention from another perspective, such as design or creativity.1 These perspectives are central to NIHF education programs, which are designed to promote stronger connections between invention and STEM.

- Patent holders are successful, earning four times the average American household income. If girls were exposed to female inventors at the same rate as boys are to male inventors, the gender gap in innovation would shrink by half.2 NIHF Inductees make up a diverse group of inventors who serve as career role models.

**EQUITABLE OPPORTUNITIES**

- BIPOC youth need equitable opportunities in invention and STEM.

- Our research on Black youth identity in invention education found that while all learners had positive associations with creating and making, and less positive associations with pitching and presenting, Black youth were far more likely to attribute their discomfort to social anxiety. NIHF evolves its programs based upon research insights that inform best practices in critical areas, such as cultural competency.3

- After one week of Camp Invention, Black, Indigenous and People of Color (BIPOC) youth were shown to have a stronger correlation between engineering and an inventive mindset. BIPOC learners also were more likely than their white counterparts to strongly self-identify as “inventive” after one week of camp.3
<table>
<thead>
<tr>
<th>CHALLENGES</th>
<th>NIHF EDUCATION PROGRAM SOLUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TEAMWORK</strong></td>
<td>Children need more opportunities to collaborate — an essential skill for the 21st century.</td>
</tr>
<tr>
<td><strong>EDUCATOR ENGAGEMENT</strong></td>
<td>Educators are looking for greater support in teaching children the skills necessary to become innovative.</td>
</tr>
<tr>
<td><strong>CREATIVE PROBLEM SOLVING</strong></td>
<td>Children need hands-on opportunities to be creative and build problem-solving skills, so they are prepared to take on the challenges of the future.</td>
</tr>
<tr>
<td><strong>INCREASED ATTENDANCE &amp; TEST SCORES</strong></td>
<td>Children need experiences that support school performance, including their attendance and test scores.</td>
</tr>
</tbody>
</table>