



## “Nothing Less Than Success”

**SCIENCE BOUND** is Iowa State University's premier pre-college through college program designed to meet our state and national need for a diverse highly-trained workforce by increasing the number of diverse Iowa youth who pursue degrees and careers in agriculture, science, technology, engineering, and mathematics (ASTEM) fields, and education. In partnership with four Iowa school districts and Iowa State University, **SCIENCE BOUND** engages middle and high school students from Denison, Des Moines, Marshalltown, and Osceola (Clarke County), Iowa. **SCIENCE BOUND** provides opportunities for committed students and families, working in tandem with skilled educators, to take advantage of program activities and college/career readiness. By doing so, **SCIENCE BOUND** scholars emerge academically equipped as well as socially and culturally empowered to earn an ASTEM or education degree. During the pre-college program (grades 8-12), we expose students and scholars to ASTEM experiences and professionals. **SCIENCE BOUND** students and scholars work to earn a full-tuition scholarship to Iowa State University where we support them through college graduation. In its 33<sup>rd</sup> year, **SCIENCE BOUND** has impacted more than 3600 middle and high school students and offered college scholarships to nearly 1000 pre-college program graduates. **Since 2000, two hundred eighty-one SCIENCE BOUND scholars have graduated from Iowa State University (76% in ASTEM fields).**

### 2023-2024 SCIENCE BOUND PROGRAM DATA:

#### • Denison • Des Moines • Marshalltown • Osceola • Iowa State University

• 51 Teachers

• 9 High Schools

• 13 Middle Schools

#### • 497 middle & high school students/scholars

- 44% Male
- 56% Female
- 62% Hispanic/Latinx
- 22% Black/African American
- 15% 2 or more Races
- <1% Asian/Native Hawaiian/Pacific Islander
- <1% American Indian/Alaskan Native

#### • 164 ISU Science Bound scholars

- 39% Male
- 61% Female
- 77% Hispanic/Latinx
- 22% Black/African American
- <1% 2 or more Races
- <1% American Indian/Alaskan Native
- <1% Native Hawaiian/Other Pacific Islander

### SCIENCE BOUND EXPERIENCES INCLUDE:

- **Weekly Afterschool Science Meetings**
- **Overnight Environmental Sciences Retreat**
- **Visits to Iowa State University Campus**
- **Career Exploration Projects**
- **Catalyst Leadership Program**
- **Study Skills Sessions**
- **College Shadow Day**
- **Summer Residential & Day Programs**
- **“Nothing Less Than Success” Science Fair** - Students showcase ASTEM experiments they conducted using the scientific method
- **Parent Workshops** to encourage and support parents preparing their children for college
- **Teacher Development Workshops** to enhance and expand student-centered teaching methods

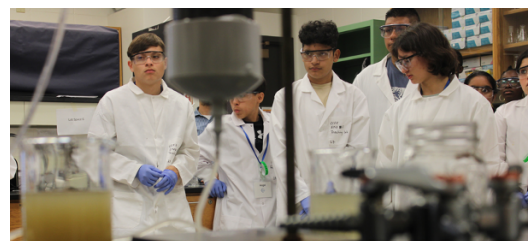


For more information visit [www.sciencebound.iastate.edu](http://www.sciencebound.iastate.edu); @isusciencebound;  
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## *“Nothing Less Than Success”*

- Science Bound is the only program in the state designed to prepare diverse Iowa youth for careers in ASTEM fields and education.
- *Science Bound is a long-term student development program that asks 12-13-year-olds to make a 5-year commitment to the program.*
- Science Bound works with middle and high school students/scholars in Denison, Des Moines, Marshalltown, and Osceola (Clarke County), Iowa.
- *661 students are currently in the Science Bound program (497 pre-college; 164 ISU).*
- More than 3600 students have been impacted by Science Bound (participated in the program for more than one year)
- *Since 2000, 281 Science Bound scholars have graduated from ISU.*
- 95% of Iowa State graduates in 2023 were from ASTEM and education programs.
- *96% of the 2023 Science Bound high school graduates (78 total) entered directly into a college or university Fall 2023.*
- As of Spring 2023 there are more than 1050 high school program graduates.
- The program began with seed funding from Ames Lab and Iowa State University in 1989-1990 and was fully launched with the receipt of a 3-year National Science Foundation grant. Current funding comes from Iowa State University and area businesses, corporations, foundations, individual sponsors, and national grants.
- Science Bound has 8 full-time staff members, 3 graduate students, and more than 80 undergraduate leaders that support the program.



IOWA STATE UNIVERSITY

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