



**ATTENTION  
AFRICAN AMERICAN, HISPANIC/LATINO  
AND NATIVE AMERICAN STUDENTS!**

- ♦ **Become an (HS)² national scholar!**
- ♦ **Join others who love math and science!**
- ♦ **Experience three tuition-free summers!**
- ♦ **Attend one of the finest boarding schools in the US!**
- ♦ **Learn in state-of-the-art classroom and laboratory facilities!**
- ♦ **Spend your summer in the mountains!**
- ♦ **Experience amazing outdoor activities!**
- ♦ **Make new friends from around the world!**
- ♦ **Broaden your horizons!**

**HIGH SCHOOL • HIGH SCHOLAR**

**TAKE THE CHALLENGE!**



**THE PROGRAM**

Aspen Science Center’s High School · High Scholar (HS)² program is an academic residential summer program in mathematics and science for African American, Hispanic/Latino, and Native American students. The program provides an opportunity for students to immerse themselves in an intensive study of mathematics and science designed to complement, deepen, and broaden the traditional high school curriculum. (HS)² is modeled on Andover’s successful Math and Science for Minority Students (MS)² program, a rigorous campus-based, highly-mentored acceleration program for exceptional students. For over thirty years, (MS)² has been successful in delivering the training, experience, and intellectual path that prefigures success in college and beyond. (HS)² is committed to achieving the same goals.

Students apply during their 9th grade year. Select students are accepted as (HS)² national scholars and begin the program the summer following their 9th grade year. For five weeks, during three consecutive summers, scholars live and learn at the Colorado Rocky Mountain School (CRMS) in Carbondale, Colorado, just thirty minutes from Aspen. The rigor and relevance of the courses are designed to help the (HS)² scholar become a more self-reliant and self-sufficient student. The program provides scholars with appropriate challenges and resources. Scholars graduate from the program the summer following eleventh grade prepared to succeed in college and careers in:

Engineering • Sciences • Mathematics • Medicine  
Computer Technology • Other Related Fields

Admission to the program is highly selective. For (HS)² scholars, tuition, room, board, textbooks, activities, and, in some instances travel and/or expenses, are paid for by the program.

**THE CURRICULUM**

For each of the three summers, (HS)² scholars attend 9.5 hours each of mathematics and science weekly. The mathematics offerings are sequential and may include algebra, pre-calculus, trigonometry, and calculus. The science curriculum includes a biology course that covers topics such as biochemistry and cell biology, classical genetics, and evolution; a rigorous laboratory chemistry course with a quantitative base; and a physics course covering Newtonian mechanics, with a strong laboratory component. Students quickly learn valuable lessons in time management and study skills while also developing a strong work ethic.

In addition, all students participate in course work to enhance and complement their interest in mathematics and science. First- and second-year scholars spend 4 hours weekly in English classes. First-year scholars work toward the development of sound writing skills, use of proper referencing, and an enhancement of their computer literacy. Second-year scholars continue to develop their writing skills through examination of a variety of literary genres.

Third-year scholars participate in a college counseling course, interact with college admission representatives, and are invited to return in the fall of their senior year for the Western Slope College Fair where they can meet with admissions officers from more than 175 colleges, including Harvard, Brown, M.I.T., Stanford, Berkeley, Dartmouth, Cornell, Williams, Wesleyan, Yale, and many others.

Scholars graduate from the (HS)² program in a ceremony held at the end of their third summer.



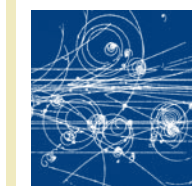
**DATES**

The five-week program begins in late June. Classes meet six days a week. The program offers a full schedule from Monday morning until Saturday afternoon, with a modified schedule on Wednesday afternoon and Saturday morning.

**DAILY SCHEDULE  
(Mon., Tues., Thurs., Fri.)**

- 7:00 – 7:10 a.m. Morning meeting
- 7:15 - 7:50 a.m. Breakfast
- 8:00 - 10:00 a.m. Math or Science
- 10:00 - 10:20 a.m. Midmorning break
- 10:30 - 12:00 p.m. Math or science
- 12:00 - 1:00 p.m. Lunch
- 1:00 – 3:00 p.m. English/college counseling
- 3:00 - 7:00 p.m. Extracurricular activities and dinner
- 7:00 - 8:30 p.m. Evening help session
- 8:30 - 9:45 p.m. Evening study hours
- 10:00 p.m.- 6 a.m. Presence required in dorm

See [www.AspenScienceCenter.org/hs2](http://www.AspenScienceCenter.org/hs2) for current program year dates.



(HS)² is a program of  
**ASPEN SCIENCE CENTER**  
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[www.AspenScienceCenter.org](http://www.AspenScienceCenter.org)

## PROGRAM SIZE

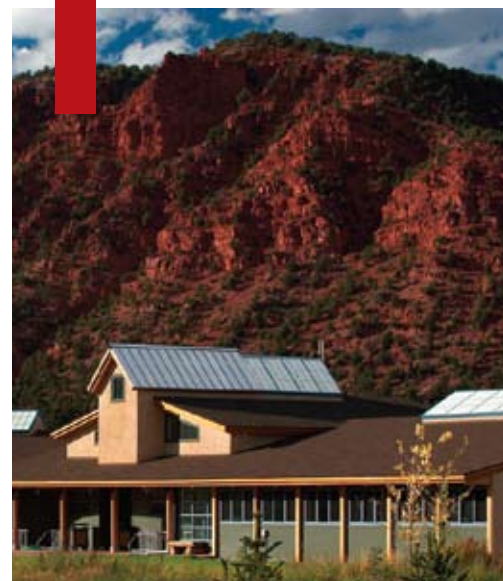
Approximately 15 new students will enter the 3-year program each summer, joining a faculty of 3 instructors (Math, Bio/Chemistry, and English) and 3 Teaching Assistants (TAs) the first year. The low student-to-faculty ratio affords students exceptional individual attention and support.

## CAMPUS EXPERIENCE

(HS)<sup>2</sup> students live on CRMS's campus in Carbondale, Colorado, located in the Roaring Fork Valley just 30 miles from Aspen. Students are housed in an (HS)<sup>2</sup> dormitory staffed by (HS)<sup>2</sup> and CRMS faculty members and certified Teaching Assistants.

CRMS's academics merge the rigor of Eastern college-prep schools with a broader, community-based philosophy that emphasizes students' role as part of a larger whole. A typical day might begin with Hemingway, Angelou, and Twain and segue into a geological exploration of a nearby coal mine.

Now in its fifth decade, CRMS boasts a student body of 165, with an energy-efficient \$3.2 million classroom building and programs in state-of-the-art disciplines such as its award-winning biodiesel program. As the Roaring Fork Valley has evolved from a predominantly ranching community into a sophisticated, rapidly growing locale with upscale amenities, CRMS has grown from being a boarding-only school to offering a premier, competitive day-student option. Now, the Aspen Science Center joins CRMS to offer (HS)<sup>2</sup> as an academic residential summer program.



## EXTRACURRICULAR ACTIVITIES

Students will participate in afternoon activities available on the CRMS campus. Possible options may include introductory rock climbing, basic kayaking, hiking, road and/or trail running, glassblowing, blacksmithing, and gardening, depending on available staffing and student interest. After classes on Saturday, the group will explore the natural resources of the Roaring Fork River Valley, sample the vibrant intellectual and cultural life of nearby Aspen, and experience other regional attractions. Given the intense academic focus of the (HS)<sup>2</sup> Scholars Program and the Saturday commitments, the only day students will have significant blocks of free time is Sunday. Off-campus weekend excuses will be granted only in extraordinary circumstances.

## ELIGIBILITY

To be eligible for admission, candidates must be in 9<sup>th</sup> grade in a public school and complete one full year of algebra by the end of their 9<sup>th</sup> grade year.

Candidates for admission must complete the online application, including an essay of approximately 500 words sharing something about themselves, including their interest in mathematics and science. The application process also includes mathematics and science teacher recommendations, guidance counselor recommendation, school transcript, and Parents' Confidential Statement. Finalists among the applicants will be given personal interviews, which parents or guardians are urged to attend. See [www.AspenScienceCenter.org](http://www.AspenScienceCenter.org) to apply.

(HS)<sup>2</sup> looks for applicants who match and fit the program's requirements and needs, and vice-versa. Admission is based on a candidate's academic achievement to date, demonstrated interest in mathematics and science, teacher and guidance counselor recommendations, personal desire, motivation, and any other relevant factors. The program serves African American, Hispanic/Latino, and Native American students, primarily economically disadvantaged students from urban areas.



## COST

The (HS)<sup>2</sup> scholars attend for three consecutive tuition-free summers. No student should refrain from applying to (HS)<sup>2</sup> for financial reasons. All scholars receive full room and board, as well as textbooks and course materials, free of charge. The only possible costs to the scholars are those of transportation to and from CRMS, medical insurance and incidental expenditures for the five weeks.

Financial aid is available, in varying amounts depending on need, to cover such additional costs, including air transportation. No student should refrain from applying to (HS)<sup>2</sup> because of inability to pay additional costs. (The financial information needed to apply for financial assistance is included as part of the online application process.)



## TRAVEL

The program provides ground transportation between local airports and the CRMS campus during specified hours on the travel days. Airport information, hours of ground transportation, and other travel information is available early each spring so that students making their own travel arrangements have ample time to make efficient plans. Any student planning to arrive outside the specified ground transportation times is expected to reach the CRMS campus and/or airport independently.