

National Federation of the Blind

2010 Junior Science Academy

*A STEM Program for Blind Children
Ages 8-12*

Go Up for
Greatness!

The text 'Go Up for Greatness!' is rendered in a playful, rounded font. The letters are primarily blue and orange, with some letters containing gear patterns. The text is set against a background of various gears in shades of blue, white, and orange. A faint silhouette of a human head is visible in the background, with gears appearing to be inside the brain area.

Session One: July 28 - August 1
Session Two: August 4-8

Baltimore, Maryland,
at the NFB Jernigan Institute



**NATIONAL CENTER FOR
BLIND YOUTH IN SCIENCE**
N C B Y S

In 2008, the National Center for Blind Youth in Science (NCBYS), a program of the National Federation of the Blind Jernigan Institute, offered its first Science Academy program for elementary students. Once again, we are making this program possible for children in grades three through six. The NCBYS developed its Junior Science Academy (JSA) in 2004 in order to spark and enhance blind students' interest in scientific study, an academic area that many falsely believe is too difficult for the blind. This year, with hands-on experiences, tactile materials, and innovative nonvisual teaching methods, the JSA will open its doors again to young explorers with two sessions of the program. Applicants can apply for one of the following dates:



Session One: July 28 - August 1

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The Junior Science Academy is a four-day session that will expose blind children to the excitement of science in real-life applications. The students will learn about how much fun science can be through hands-on instruction, field trips, and interactive activities. Attending parents will participate in a corresponding seminar with workshops designed to focus on meeting the needs of their blind children.



Participation is free to accepted students and parents. The cost of travel, room, board, and program materials will be covered by the NFB Jernigan Institute for all student and parent/chaperone pairs.

About the NCBYS

For too long blind youth have been denied full participation in public school science classrooms. Are dissections too dangerous? Should blind youth sit on the sidelines rather than participate and make their own observations? Is it too difficult to understand the stars if you cannot visually observe them in the sky? The answer to these

questions is most certainly "no," but all too often parents, teachers, and blind students are simply not aware of how a blind person might actively participate in these activities. Insufficient hands-on materials, few teachers who understand tactile learning, and lack of access to blind adult role models and resources have placed artificial barriers on blind youth in the sciences. The NFB Jernigan Institute recognizes the urgent need to address these artificial barriers and equip regular education teachers, parents, and blind youth themselves with the tools and knowledge to provide greater opportunities in science to blind youth across the nation. Our Science Academy programs help to tackle these issues in small ways by exposing children and youth to a variety of challenging opportunities. We hope you will learn more about our programs and encourage your child to participate in these exciting, dynamic opportunities. Learn more about these and other initiatives of the NCBYS at www.blindscience.org.

To learn more about this exciting event, or to apply, visit www.blindscience.org or contact the NFB Jernigan Institute at (410) 659-9314, ext. 2407.

Come join us!

