

# LOUD & CLEAR!

A 21ST CENTURY SCIENCE CENTER FOR 21ST CENTURY STUDENTS  
IOWA SCHOOL FOR THE DEAF

## OUR CHILDREN NEED OPPORTUNITIES LEADING TO INDEPENDENT AND PRODUCTIVE LIVES.



RESEARCHING AND CONSTRUCTING WORKING SCIENCE PROJECTS PROVIDES CRITICAL VISUAL LEARNING REINFORCEMENT FOR A CHILD WHO IS DEAF OR HARD OR HARD OF HEARING.

However, children who grow up deaf or hard of hearing do not always have the same opportunities as their hearing peers. Without strong vocabularies, math and science terminology can be confusing. When it is time to enter the next phase of life, this confusion can affect a child's ability to successfully compete with a hearing peer.

Today, the nation is relying on a young generation to provide future expertise in biosciences. Expertise that begins as a career interest in a science-related field, fostered in middle and high school.

To provide the opportunities deaf and hard of hearing students need to be successful adults and work in science professions, Iowa School for the Deaf is providing a modern science center for its middle and high school students.

Because of the project's widespread effect, financial assistance and encouragement is needed from supporters of ISD and the entire community.

“OUR DAUGHTER WAS BORN DEAF IN THE YUCATAN AND HAD NO LANGUAGE SKILLS WHEN WE ADOPTED HER AT AGE 7. SINCE CARMITA BEGAN ATTENDING ISD, SHE HAS BECOME A BETTER COMMUNICATOR, MORE CONFIDENT AND MORE INDEPENDENT THROUGH IMMERSION IN ISD'S LEARNING AND LANGUAGE ENVIRONMENT. AS PARENTS, WE KNOW CARMITA RECEIVES SPECIAL PROGRAMS SHE NEEDS TO TRANSITION TO AN INDEPENDENT AND PRODUCTIVE LIFE.”

— THE WILSON FAMILY



# THE NEED FOR A NEW SCIENCE CENTER

## New Science Center (Built in 21st Century)

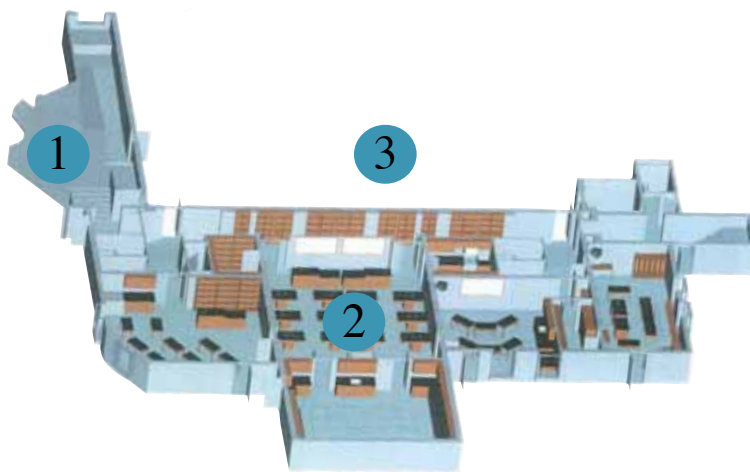
- Almost 6,000 sq. feet
- Gas hookups/fume hoods
- Emergency showers
- Outdoor access
- Share technology
- Accessible ground floor location
- Equipped to accommodate science curriculums
- Plenty of storage space
- Terrariums and aquariums
- Projects studied for days

## Current Classrooms/Laboratories (Built in 20th Century)

- Cramped rooms, most built in the 1930s
- No gas hookups
- No safety showers; Limited chemical experiments conducted
- Some classes traverse two flights of stairs with equipment
- Distance between buildings makes sharing a challenge
- No elevator access to third floor labs
- Won't be able to meet future curriculum requirements
- Storage is spread out among 9 areas
- No space for ecosystem learning
- Projects must be disassembled each day and built again

## A GLANCE AT THE NEW SCIENCE CENTER

- 1 ACCESS TO HIGH SCHOOL
- 2 FORMER SWIMMING POOL
- 3 LONG HALL GYMNASIUM



## A SPACE REMEMBERED

When alumni toured the former pool and locker area the fall of 2009, they found only load bearing walls, a pool filled with 350 tons of sand and few visual reminders of what the space once held. Still, alumni remember the area.

“I have a lot of memories here, but the new science area will be great,” said Duane Meyer, who graduated in 1981. Meyer and his brother, Joe (graduated in 1984), especially remember the area as wrestlers for the Bobcats. The brothers toured the area with Duane’s son, DJ, now an 8th grader at ISD. DJ is the fifth generation to attend ISD.

For the first time, the family walked on top of the swimming



DUANE AND JOE MEYER (AT LEFT AND RIGHT) DEMONSTRATED THE RICH ECHO CREATED BY THE FORMER LOCKER ROOMS TO DUANE’S SON, DJ (CENTER).

pool. ““There was an air duct above the diving board,” said Joe. “We all used to try to hit it with our hand when jumping off the diving board.”

The Meyers said opposing wrestling teams shared locker room quarters, with a separate area for them. Athletes on both teams would peer into the areas, sizing up their weight division competition.

Turning his thoughts to his own science experience at ISD, Joe recalled when his class performed experiments the chemical smells lingered. He noted fume hoods (to be present in the new center) would have been beneficial.

“This center will open new doors for students,” said Duane. “Maybe we’ll have some famous scientists from ISD in the future.” ■

## PROJECT BUDGET

CONSTRUCTION ESTIMATE:	\$780,000
SITE PREPARATION*	\$300,000
CONTINGENCY (7.5%)	\$58,500
GENERAL CONTRACTOR OVERHEAD (12%)	\$100,620
DESIGN & INSPECTION (15%)	\$140,686
MOVABLE & FIXED SCIENCE EQUIPMENT & CASEWORK	\$120,012
<b>TOTAL PROJECT COST:</b>	<b>\$1,500,000</b>
<b>TOTAL REMAINING COST:</b>	<b>\$1,200,000</b>

\* INTERNAL FUNDS OF \$300,000 HAVE BEEN APPLIED FOR SITE PREPARATION. SITE PREPARATION IS FINISHED.



### EVER MINDFUL OF NATURAL AND FINANCIAL RESOURCES ENTRUSTED TO US, IOWA SCHOOL FOR THE DEAF TAKES CARE OF THE PLANET IN NUMEROUS WAYS.

We plant rain gardens and monitor water quality of our campus bodies of water. We established a prairie area with indigenous plantings. Purple Martin houses can be found throughout campus as a haven for this threatened bird species.

To minimize its effect on the environment, ISD has chosen to renovate a building for the Science Center rather than build new. Building materials are purchased with consideration of the environment, and careful uses of other resources will now be possible:

- Remodeling saves 40% of new construction cost
- Natural lighting captured with large energy-efficient windows
- High efficiency lighting system installed with long lamp life
- Rubber-based roof reduces toxic sealants and reflects heat
- Gutters tie into campus storm water management system
- Rain garden to be established near Science Center
- Shared materials reduce duplicating costly equipment
- More efficient use of time and materials by consolidating location of classrooms



**YOUR HELP IS NEEDED TO  
BUILD THE SCIENCE CENTER.  
PLEASE SEE PAGE 4.**

THE NEW SCIENCE CENTER WILL BE A MODERN AND INVITING LEARNING ENVIRONMENT VITAL TO THE MISSION OF IOWA SCHOOL FOR THE DEAF IN PREPARING ITS STUDENTS FOR THE WORLD.

AS A SHARED AREA FOR BOTH MIDDLE SCHOOL AND HIGH SCHOOL, THE CENTER WILL ENABLE TEACHERS TO EASILY EXCHANGE IDEAS, AND STUDENTS FROM BOTH SCHOOLS CAN LEARN FROM ONE ANOTHER. EQUIPMENT WILL BE SHARED, DEMONSTRATING STEWARDSHIP OF RESOURCES. SEPARATE MIDDLE SCHOOL AND HIGH SCHOOL CLASSROOMS AND LABORATORIES WILL ENABLE AGE-APPROPRIATE INSTRUCTION TO OCCUR.

ADEQUATE SPACE WILL BE AVAILABLE FOR STUDENTS TO BUILD PROJECTS AND STUDY THEM FOR SEVERAL DAYS. VISUAL REINFORCEMENT IS CRITICAL FOR ISD'S STUDENTS TO REVIEW AND RETAIN WHAT THEY HAVE LEARNED. THEY DO NOT BENEFIT FROM AUDITORY TEACHING IN THE SAME MANNER AS THEIR HEARING PEERS.

THANK YOU FOR CONSIDERING A CONTRIBUTION to this project that will change the lives of students in Iowa and Nebraska who are deaf and hard of hearing. Your gift will enable more students to learn, communicate, succeed and better understand themselves and the world around them.

DONATIONS MAY INCLUDE GIFTS OF:

- CASH
- SECURITIES
- CHARITABLE TRUSTS
- BEQUESTS
- RETIREMENT FUND ASSETS
- REAL ESTATE
- LIFE INSURANCE



FOR MORE INFORMATION ABOUT THE SCIENCE CENTER, PLEASE VISIT THE WEBSITE [WWW.IOWASCHOOLFORTHEDEAF.ORG](http://WWW.IOWASCHOOLFORTHEDEAF.ORG), PHONE 712.366.0571 OR E-MAIL [JPRICKETT@IOWASCHOOLFORTHEDEAF.ORG](mailto:JPRICKETT@IOWASCHOOLFORTHEDEAF.ORG).

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## PLEDGE OF SUPPORT

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

E-mail \_\_\_\_\_ Phone \_\_\_\_\_

I wish to support the Iowa School for the Deaf Science Center Capital Campaign. We will contribute the total amount of \$ \_\_\_\_\_ over (please indicate one)  1 year  2 years  3 years  4 years  5 years.

**Please select one:**

- Enclosed is an initial payment of \$ \_\_\_\_\_.
- My first payment will be on or before (month/date/year) \_\_\_\_\_.
- Enclosed is my gift in its entirety of \$ \_\_\_\_\_.

If this commitment includes a charitable gift annuity or other form of planned/deferred gift, please specify that amount here (\$ \_\_\_\_\_) and describe the planned gift in the area below.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Please make checks payable to the Iowa School for the Deaf Foundation.  
Your contribution is tax deductible as provided by law.  
Please mail your form and/or gift to:

**Iowa School for the Deaf Foundation/Loud and Clear Campaign**  
**3501 Harry Langdon Boulevard**  
**Council Bluffs, IA 51503**  
**Questions: 712.366.0571**