

The logo features the text "TOMORROW" in green, "STEMS" in orange, and "FROM IOWA" in green, all in a bold, sans-serif font. Below this, a green rectangular box contains the text "GOVERNOR'S STEM ADVISORY COUNCIL" in white. The entire logo is centered on a white background, which is itself centered on a larger green background. A small, light green rectangular tab is visible in the top right corner of the green background.

TOMORROW STEMS FROM IOWA

GOVERNOR'S STEM ADVISORY COUNCIL

IOWA GOVERNOR'S STEM ADVISORY COUNCIL MEETING

Rob Denson

DMACC President

Diane Young

Foundation Analytical Laboratory Owner and Director of
Technical Services and STEM Council Co-Chair

Window into a STEM BEST Model

Tanya Hunt, STEM Council Project Coordinator



TOMORROW
STEMS
FROM IOWA





DAVID MCMURRIN – RAPIL COHORT 13

DAVID MCMURRIN

Iowa

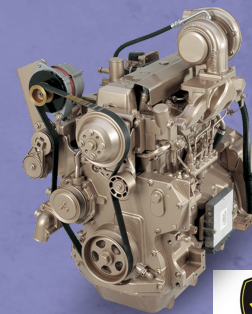
- North Scott HS, Eldridge IA
- Iowa State University – BSME & MSME

Career

- USAF – B-52 Navigator/EWO
- John Deere – Operations, Engineering, Supply Management
- High School or Middle School Science Teacher

Personal

- Family: Melanie, Amelia, Elizabeth, Jessica
- Soccer, Cycling, Exercise, Space, Machines



RAPIL PROGRAM EXPERIENCE

Why?

- Desire to teach, enjoy working with youth

What is RAPIL (Regents Alternative Pathway to Iowa Licensure)

- Path for professionals from other disciplines to transition to the secondary classroom

Year 1:

- Coursework covering Learning, Instruction, Planning, Assessment, Strategies, Communities, Methods, etc.
- Observations, Field Experience

Year 2:

- Internship, Intern Seminar



RAPIL

Regents Alternative Pathway to Iowa Licensure

RAPIL BY THE NUMBERS

› Established in 2009

3 PARTNERS: University of Northern Iowa
University of Iowa
Iowa State University

170
teachers
licensed

28
endorsement
areas

45
median
PPAT score



› **29** credit hours of education coursework

› **65** field experience hours

12 EXPERT FACULTY
from UNI, UIowa, and ISU

RAPIL PROGRAM EXPERIENCE

Classes

- Evening and weekend classes

Instructors & Lecturers

- Enthusiastic, knowledgeable, engaged, supportive

My Experience

- Enjoyable, engaging, overwhelming, inspiring, confidence building, practical

Cohort 13

- New teaching colleagues and friends (41)
- Importance of Scholarships

1 YEAR POST INTERNSHIP

- › **94%** still teaching
- › **65%** remain at internship school

2 YEARS POST INTERNSHIP

- › **70%** still teaching
- › **55%** still working at internship school

AMONG 92 DISTRICTS TO HIRE RAPIL INTERNS

Akron-Westfield	Clear Creek - Amana	Hampton - Dumont
Ankeny	Clinton	Indianola
Boone	Dallas Center - Grimes	Iowa City
Burlington	Decorah	Lenox
Cedar Falls	Des Moines	Maquoketa
Cedar Rapids	Dubuque	Shenandoah
Central (Elkader)	Fort Dodge	Waterloo
Clarion-Goldfield		Waukee

CONTACT



iowateacherintern.org

Amy Mayer, RAPIL Program Coordinator
amy.mayer@uni.edu | (319) 273-4252

RAPIL FIELD EXPERIENCE

Cedar Falls High School (38 hours)

- 11th and 12th Grade Physics & AP Physics
- Cooperating Teacher: Meghan Lang
- Highlights: Student interaction, Rocket Club, AP Physics

Peet Junior High School (59 hours)

- 7th Grade Science
- Cooperating Teacher: Jeff Hartman
- Highlights: Relationships, BB game, variety

RAPIL Evaluator

- Dr. Cherin Lee: PhD Science Education, MA Biology, 9 yrs teaching in the public schools



ENGINEERING & TEACHING

	Engineering	Teaching
Teamwork	X	
Planning	X	
Analysis & Assessment	X	
Breadth of Field	X	
Knowledge Expert	X	
Communication	X	
Creativity	X	



ENGINEERING & TEACHING

	Engineering	Teaching
Teamwork	X	X
Planning	X	X
Analysis & Assessment	X	X
Breadth of Field	X	X
Knowledge Expert	X	X
Communication	X	X
Creativity	X	X



CURRENTLY...

Applying for teaching jobs in the Cedar Valley

Organizing myself for the Fall

Summer RAPIL classes:

- Creating Classrooms Conducive to Teaching and Learning
- Methods in Teaching in the Secondary Classroom

Questions?



THANKS!



CONTACT



iowateacherintern.org

Amy Mayer, *RAPIL Program Coordinator*
amy.mayer@uni.edu | (319) 273-4252

2021-22 Annual Assessment Report

Dr. Erin Heiden, Assistant Director, University of Northern Iowa
Center for Social and Behavioral Research



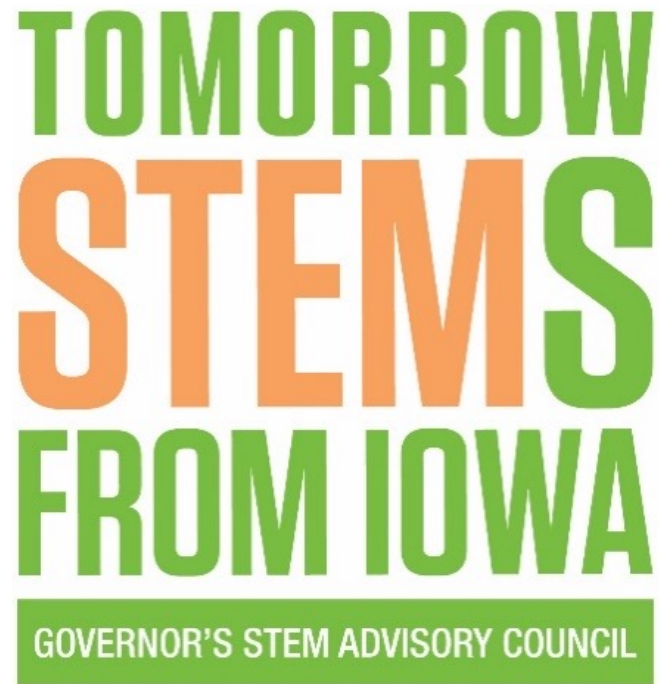
University of
Northern Iowa™

Center for Social &
Behavioral Research



Iowa Testing Programs

Iowa STEM Monitoring Project 2020-2021 Annual Report *Fresh Insights*

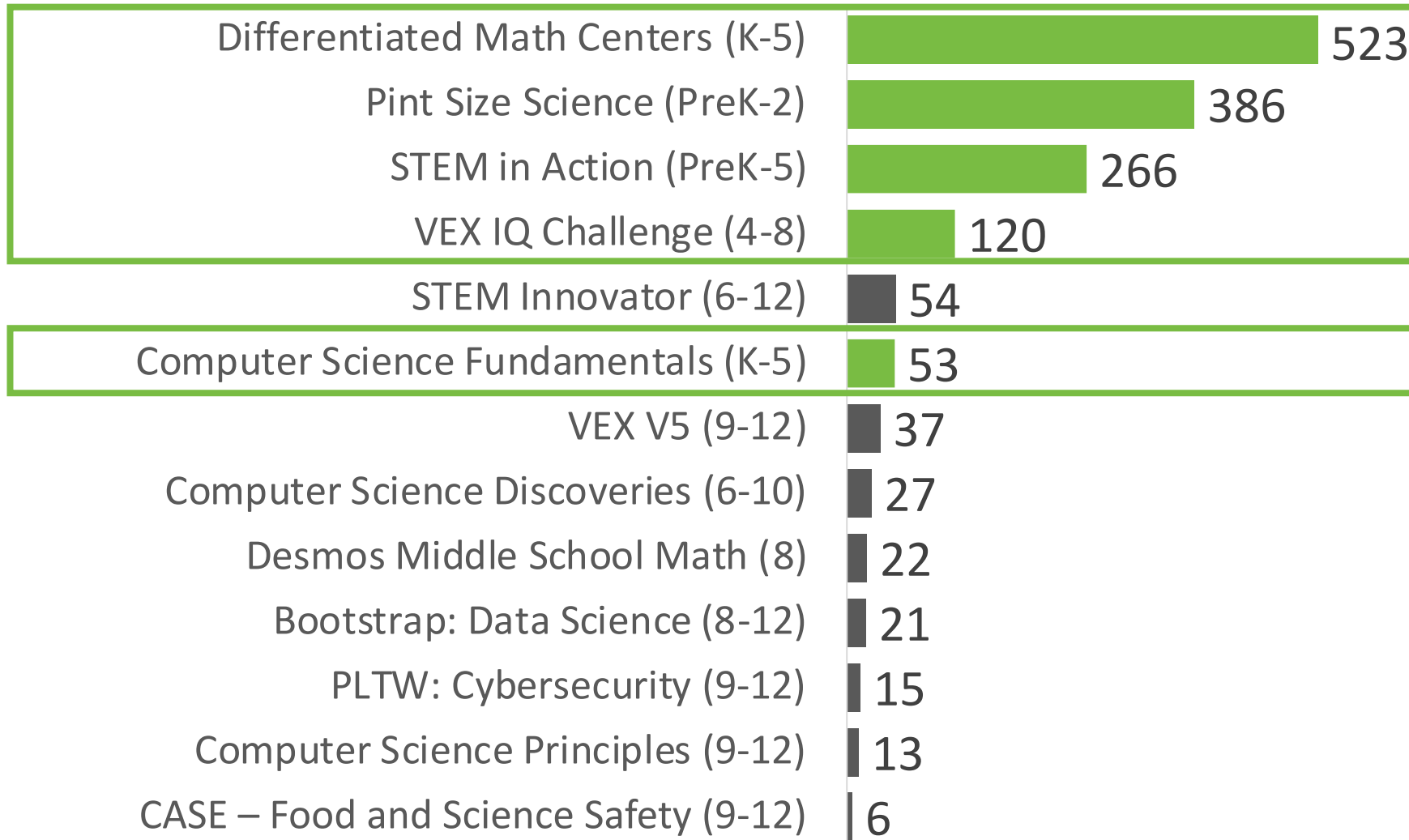


STEM Scale-Up Program

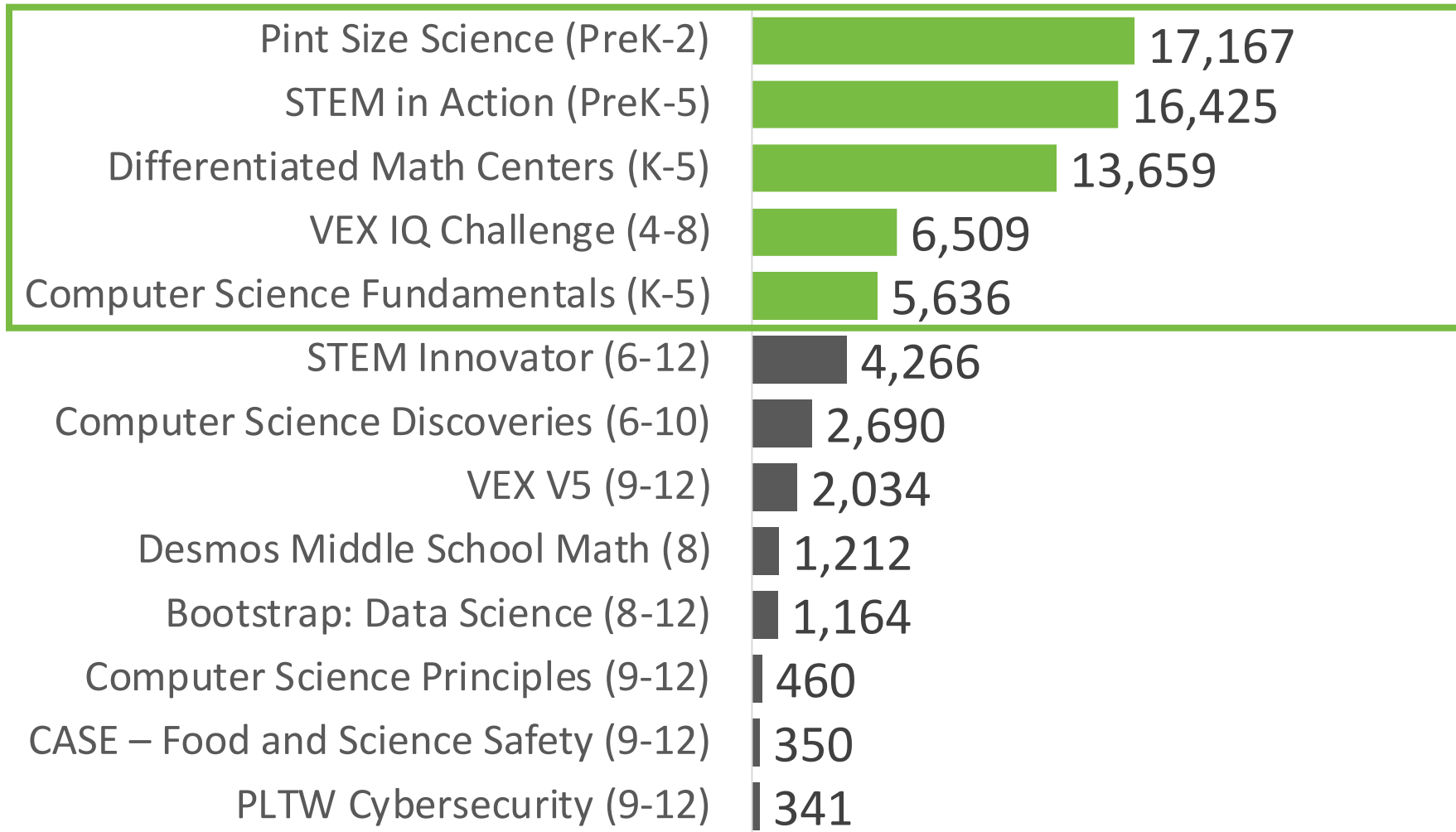
2020-2021

The 2020-2021 STEM Scale-Up Program: 1,543 awards

Most awards were programs for **elementary grades**

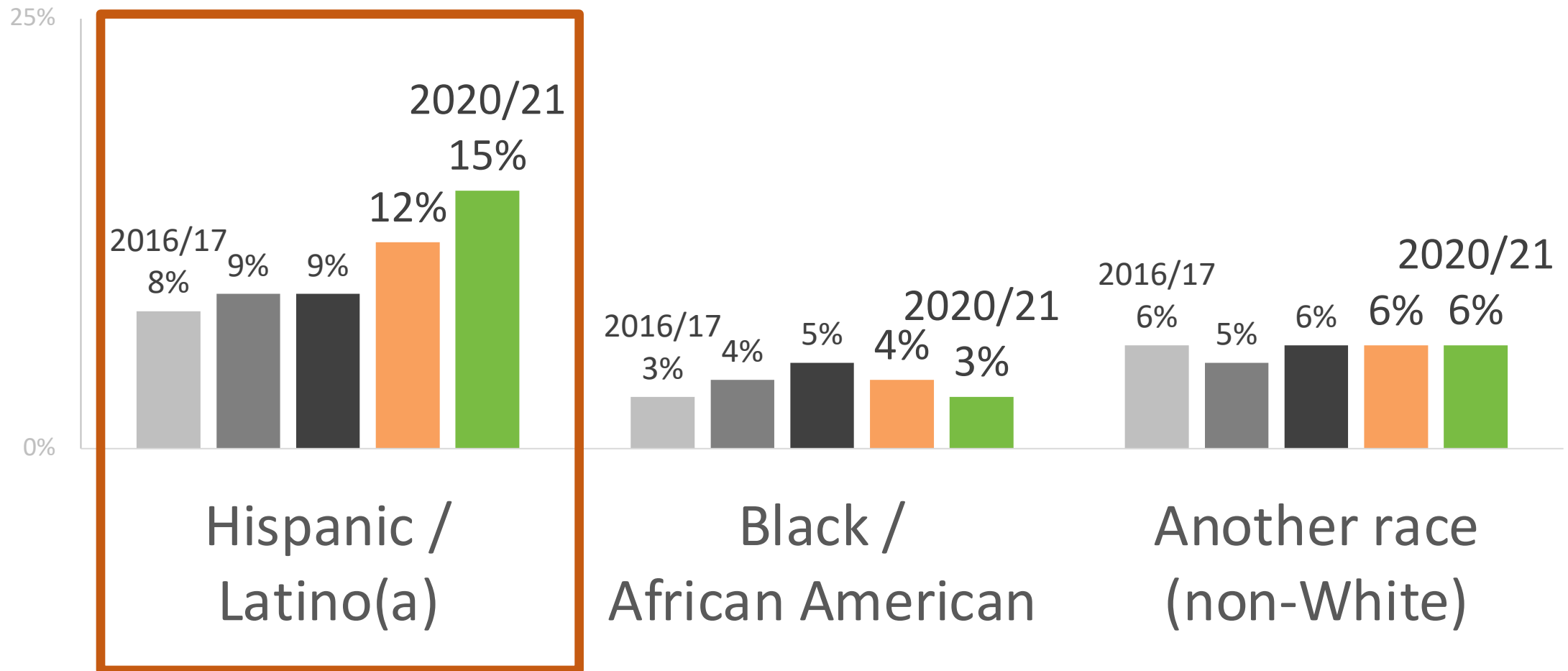


A projected 71,193 students participated in STEM Scale-Up Programs in 2020-2021



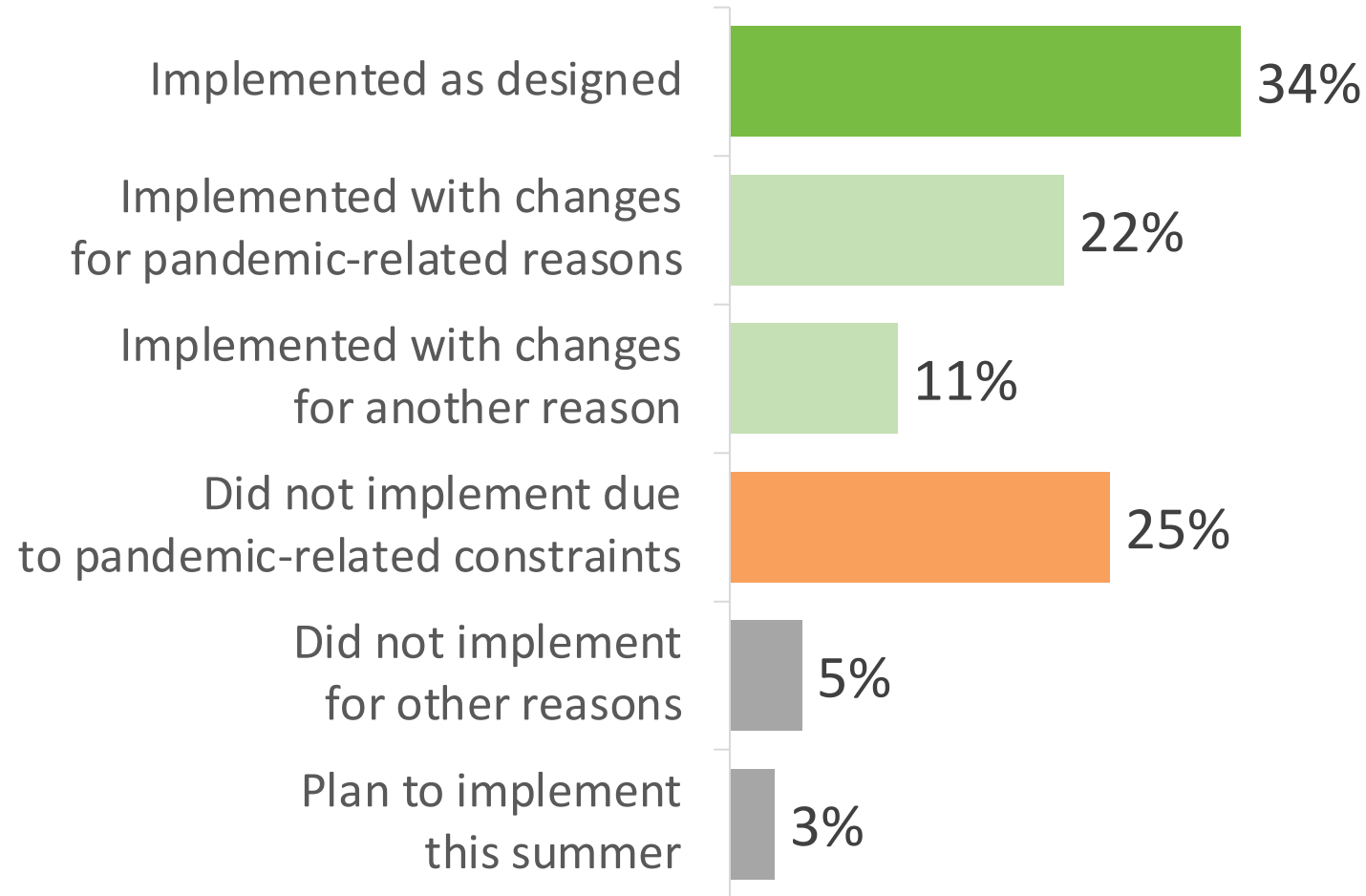
Broadening Participation...

In the last five years, the STEM Scale-Up Program has **increased participation among students who are Hispanic / Latino(a)** from 8% to 15%.



Nearly **two-thirds (67%)** of educators were able to implement to in whole or in part in 2020-2021

Pandemic-related constraints prevented **25%** of educators from implementing their Scale-Up Program, but nearly all (94%) planned to use the program in 2021-2022.



Educator Perceptions of STEM Scale-Up Program

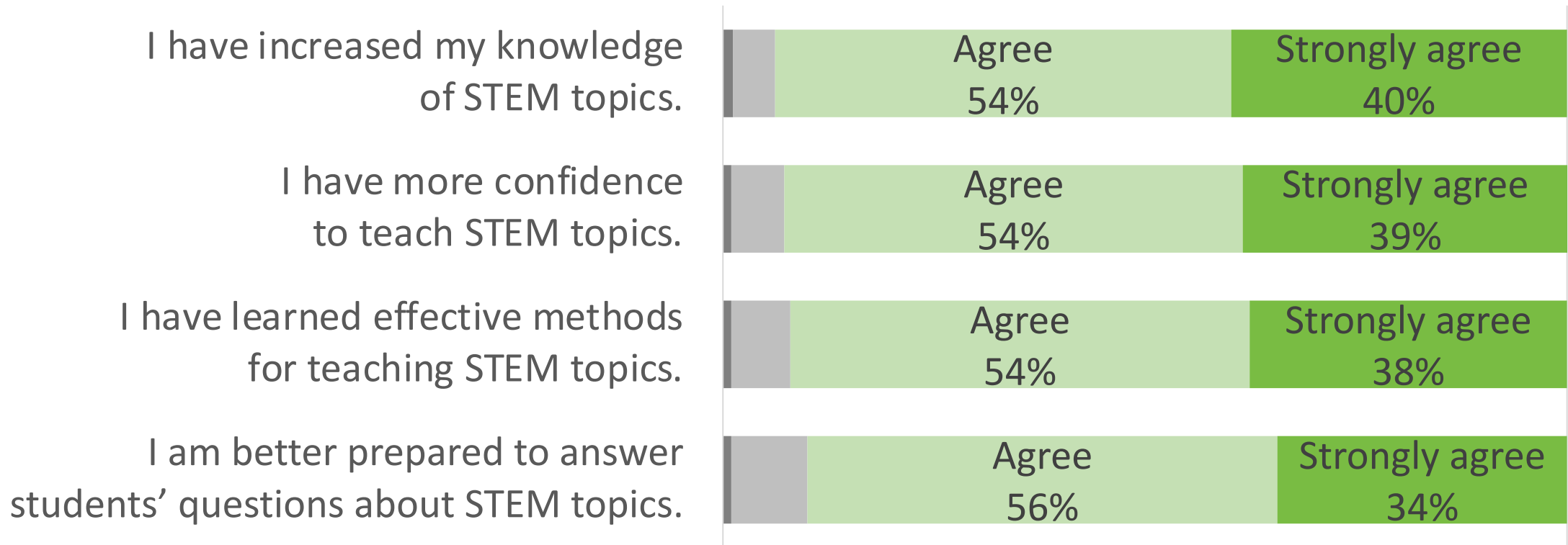
9 in 10 educators agree they ...

Have increased knowledge of STEM topics (94%),

Have more confidence to teach STEM topics (93%),

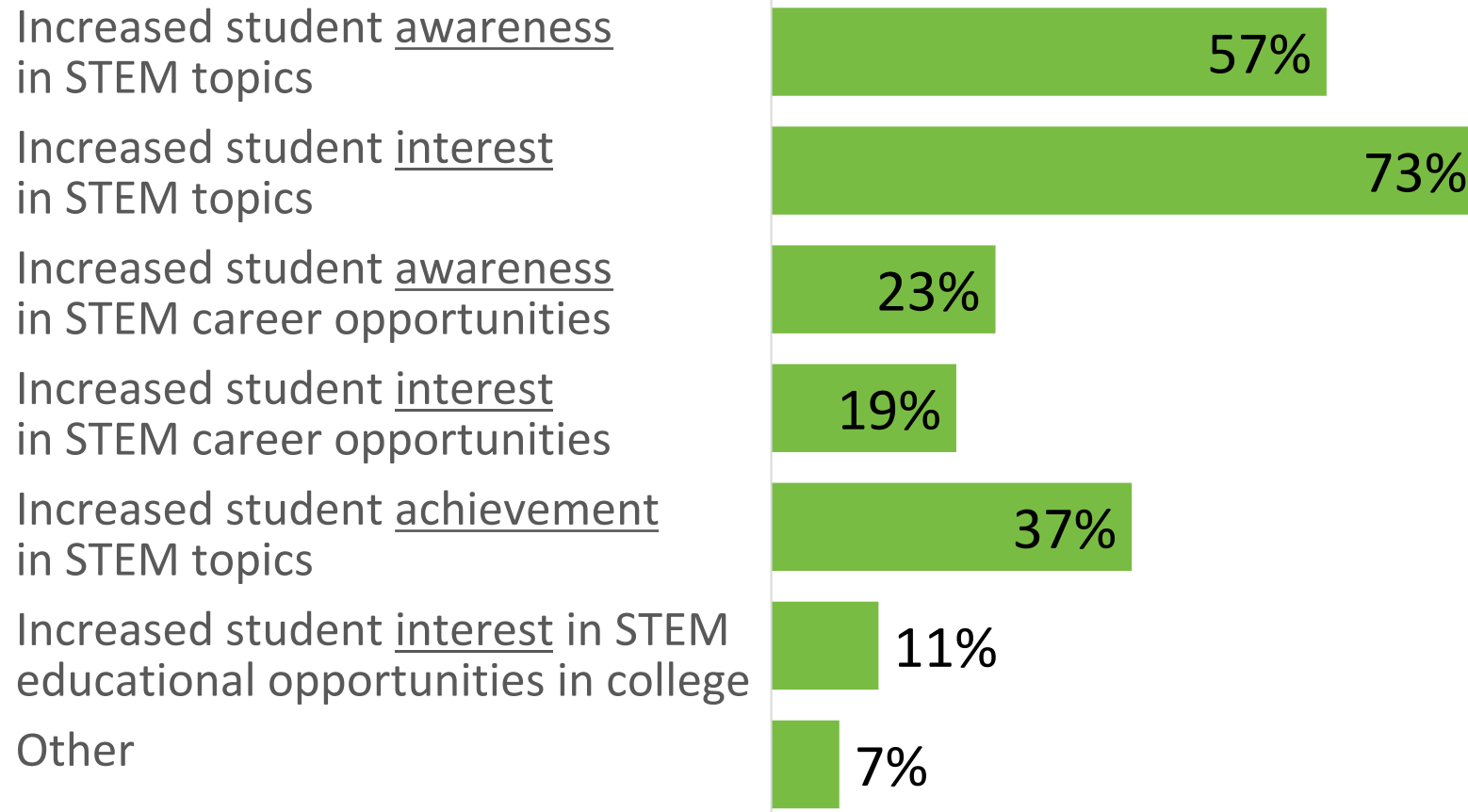
Have learned effective methods for teaching STEM topics (92%),

Are better prepared to answer students' STEM-related questions (90%).



Observed Student Outcomes

Nearly three-quarters (73%) of educators observed **increased student interest** in STEM following STEM Scale-Up program participation



Interest in STEM

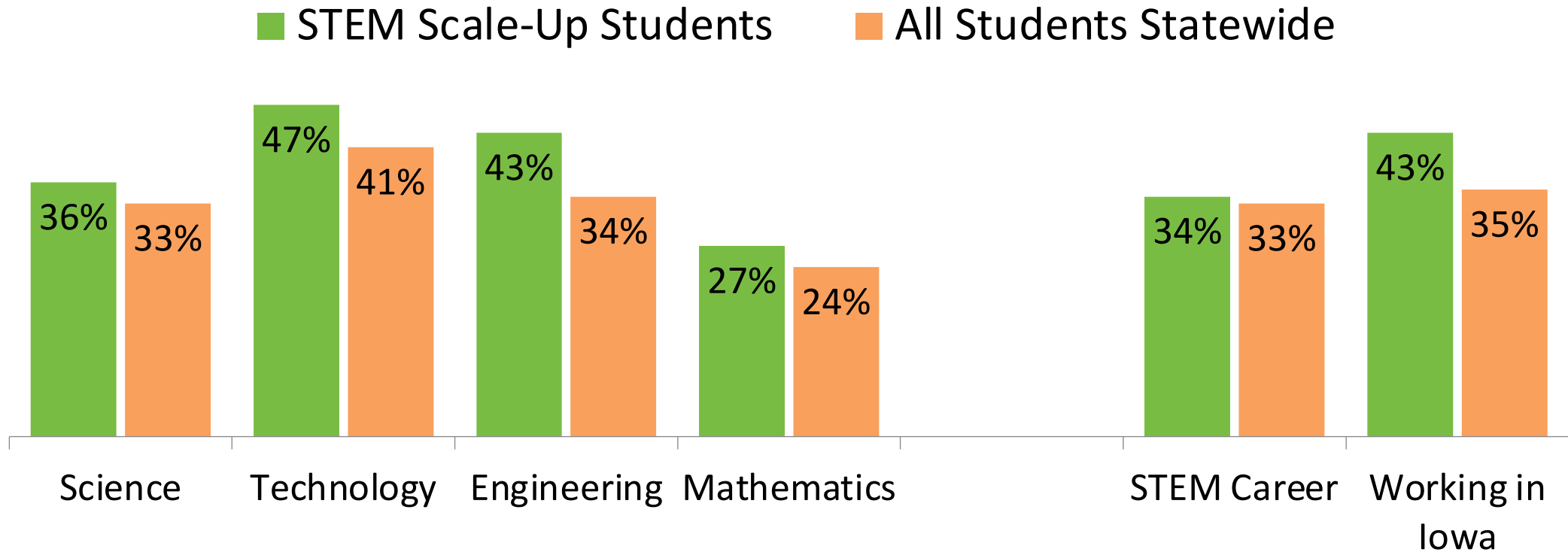
Over three-quarters of all students statewide are interested in STEM.

(% *Somewhat interested* and *Very interested*)



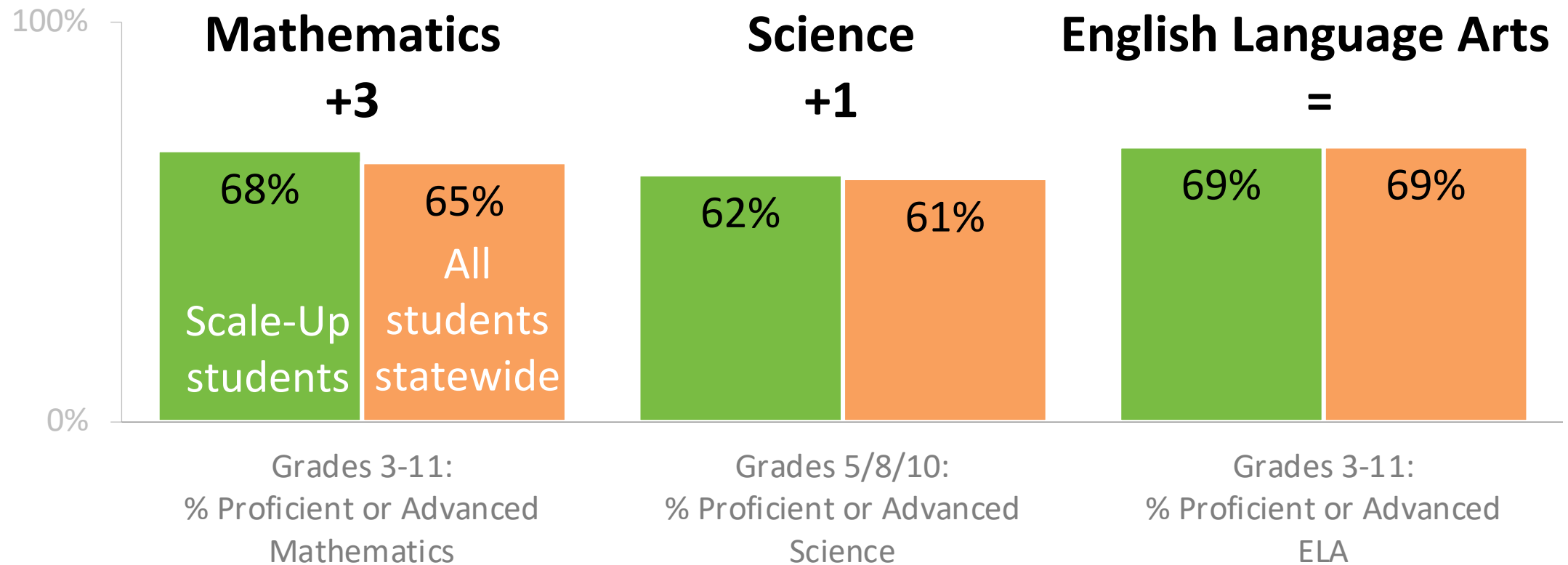
Students *Very Interested* in STEM

In 2020-2021, a higher percentage of students who participated in STEM Scale-Up programs reported greater interest in STEM subjects, in pursuing a STEM career, and in working in Iowa after graduation compared to all students statewide
(*I like it a lot* (Grades 3-5) or *Very interested* (Grades 6-11))



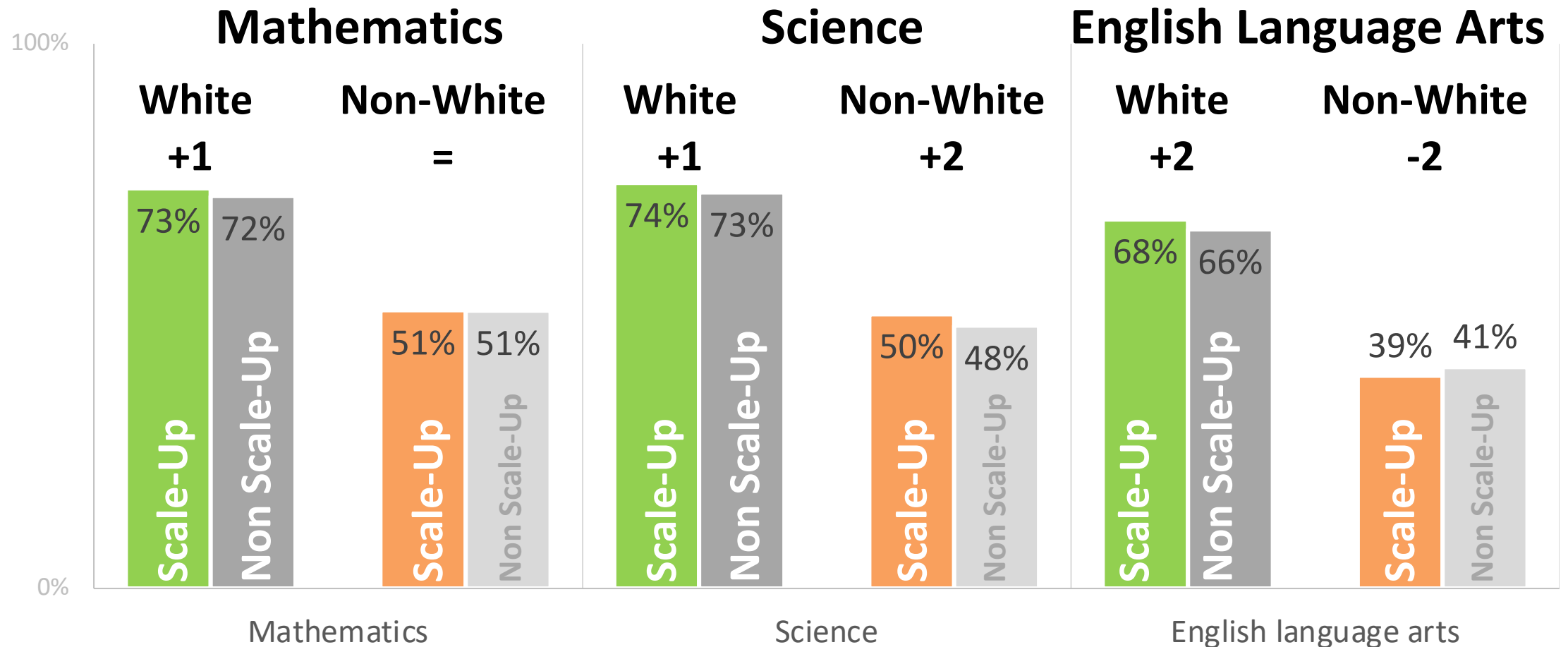
Increased Achievement

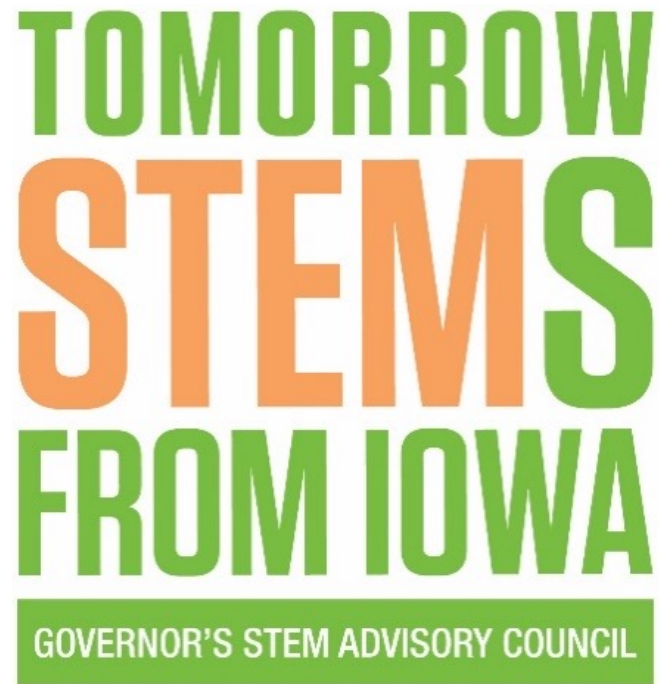
In 2020-2021, **STEM Scale-Up Program participants performed better** on the Iowa Statewide Assessment of Student Progress (ISASP) in *mathematics* (+3 percentage points) and *science* (+1 percentage point) compared to all students statewide.



Increased Achievement, part 2

For minority students, STEM Scale-Up Program participants performed better in *science* (+2 percentage points) compared to minority students who did not participate; however, this trend was not observed in *mathematics* achievement this year





Iowa STEM Indicators 2020-2021

Increased degrees in STEM fields

From 2012/13 to 2019/20...

5%	increase at Iowa's 2-year community colleges
50%	increase at Iowa's 4-year public universities
20%	increase at Iowa's 4-year private (not-for-profit) colleges and universities

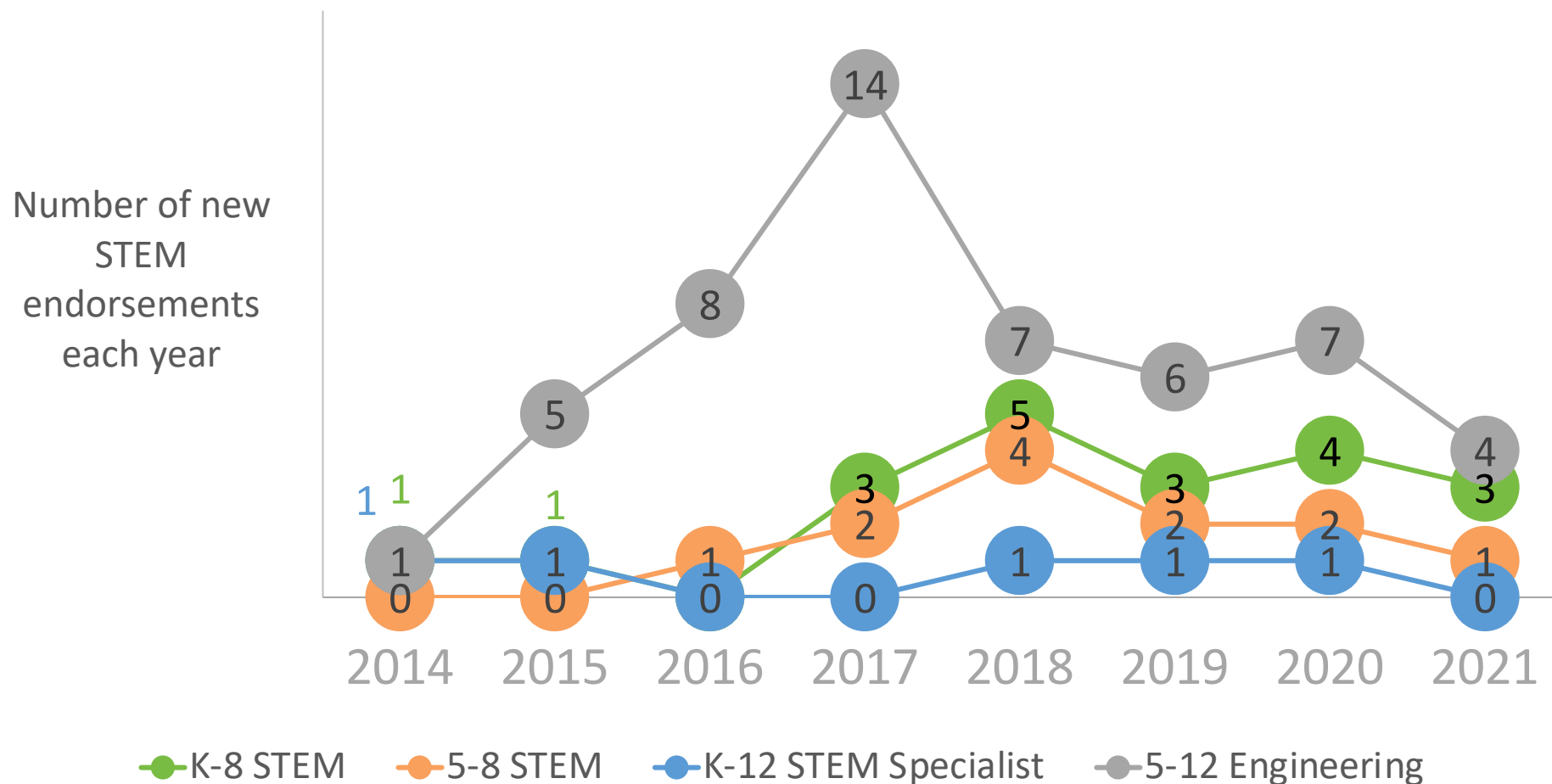
By race / ethnicity...

12%	increase among students who are White
3%	increase among students who are Black / African American
70%	increase among students who are Hispanic / Latino(a)

Steady growth in the number of STEM endorsements

Since 2014, 262 endorsements have been granted:

20 for K-8 STEM, 12 for 5-8 STEM, five for K-12 STEM Specialist,
52 for 5-12 Engineering, and 173 for 5-12 CTE Information Technology.



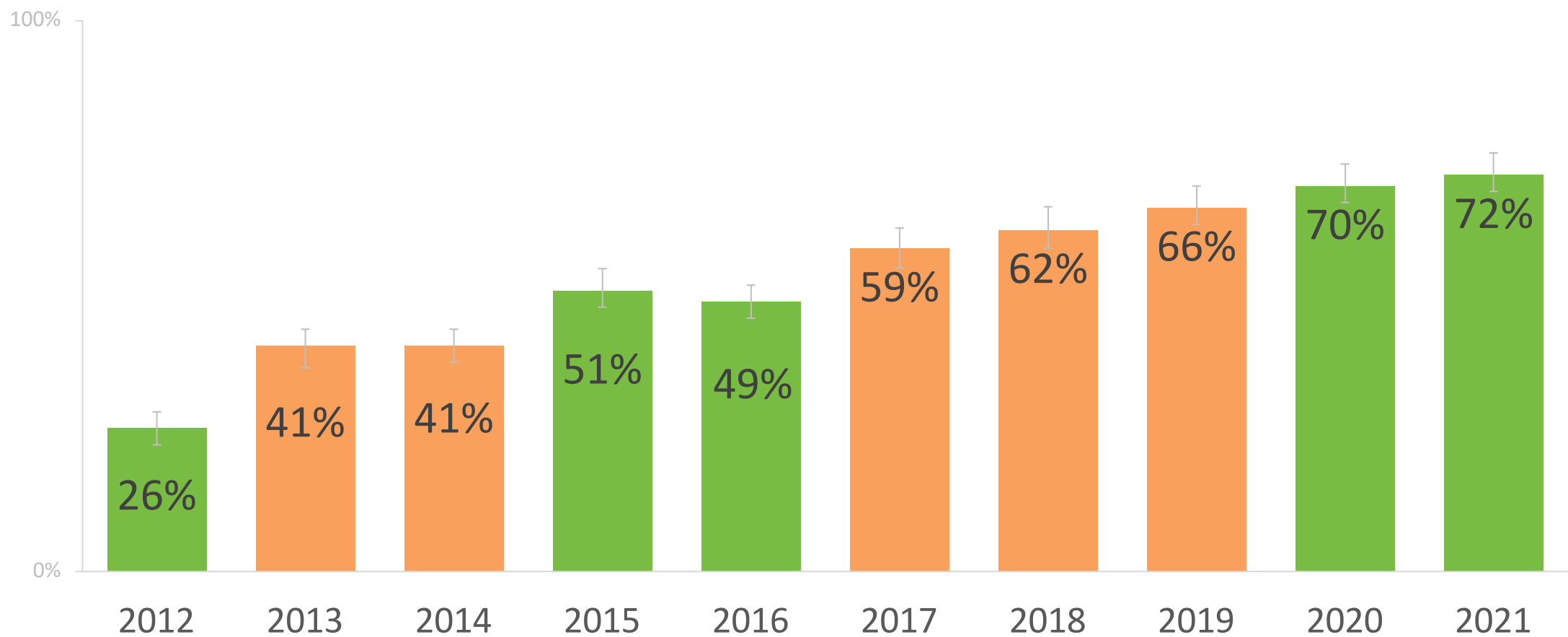
Eight Iowa colleges and universities currently offer K-8 and 5-8 STEM endorsements

Central College began offering the STEM endorsement in 2021

	K-8 STEM	5-8 STEM	K-12 STEM Specialist	5-12 Engineering	STEM Degree	STEM Education Minor
Buena Vista University	X	X				
Central College	X	X				
Dordt University	X	X		X		
Drake University	X	X	X		MSE in STEM Education	
Grandview University	X	X				
Morningside College	X	X				
Saint Ambrose University	X	X				
University of Iowa					MS in STEM Education	
University of Northern Iowa	X	X				Minor in STEM Education

Increased Awareness *(a familiar point)*:

Have you read, seen, or heard of STEM? **7 in 10** lowans (70%) said ‘Yes’
Awareness of STEM continues to increase year-over-year and is significantly higher than measured in 2018 and prior years.



Question: STEM stands for ‘science, technology, engineering, and mathematics.’ Have you read, seen, or heard of this before? (% Yes)

Source: 2012-2021 Statewide Survey of Adult lowans Toward STEM, Iowa STEM Monitoring Project, January 2022

Increased Awareness *(a new perspective)*

Iowans continue to support prioritizing STEM education.

9 in 10 Iowans think STEM education should be a priority in their local school districts, but only 58% say it is a priority and another 12% don't know.

Fewer Iowans Don't Know! In 2015, less than half (47%) reported STEM education is a priority and 1 in 5 (22%) didn't know.

Do you think STEM education
is a priority
in your local school district?

58%*

(29% said No, 12% Don't Know)

*** +11 points (47%) from 2015,
when 1 in 5 (22%) didn't know**

Do you think STEM education
should be a priority
in your local school district?

95%

Question: Do you think STEM education is a priority in your local school district? (%Yes/No/Don't know)

Do you think STEM education should be a priority in your local school district? (%Yes/No)

Source: 2021 Statewide Survey of Adult Iowans Toward STEM, Iowa STEM Monitoring Project, January 2022



Questions?

Diversity, Equity and Inclusion Implementation

Co-Chairs Sara Nelson and Carly Harper

Diversity, Equity, and Inclusion in STEM

Develop recommended actions for the Governor's STEM Advisory Council to promote equity in STEM, especially increasing diversity of youth in current STEM programs and in the workforce.

Expanding Learning Networks

Our team had the honor of hearing Dr. Williams (2nd from left) share thoughts on becoming a change agent for inclusive classrooms. Dr. Williams is a professor the host of the PBS Series, NOVA Wonders.



Organization Application

Team members of the DEI workgroup are investing in this work daily within their organizations. One example is the iJAG students who were at the Build My Future signing event with the Governor.



Council Recommended Action:

Increase diverse youth voice in STEM programming and outreach

1. Expand diverse youth participation

Youth STEM Advisory Board begun

2. Champion and celebrate diverse youth in STEM

Example: State Science and Technology Fair of Iowa

Example: Business signing days

3. Analysis of Iowa Youth Voice Survey

STEM Survey (n=750)

Full report to be delivered in January 2023

International Science and Engineering Fair



Governor's STEM Advisory Council
supported award

Next Steps

1. The group will be splitting into subgroups (please see next slide) to focus on specific topics/initiatives
2. Whole group meeting June 13th in Cedar Falls
 - Hear from DEI professional
 - Update from subgroups
 - Planning and visioning as a team

Subgroup Focus

Subgroup #1: Deep dive on the youth voice data

Subgroup #2: Increasing diverse role models at early age (in addition to access to STEM)

Subgroup #3: PD around DEI for organization, other stakeholders.

Subgroup #4: Creation of a STEM Signing Day - RV tour :)

Supporting Ongoing DEI Communication – Finding and sharing out DEI resources, potential PD for DEI, diverse STEM storytelling from around state, and bringing blog ideas to team

Questions?

*Thank you to the DEI committee members for your work.
We look forward to feedback from the STEM Council.*

Sara Nelson & Carly Harper, co-chairs

Creativity and Innovation Task Force Implementation

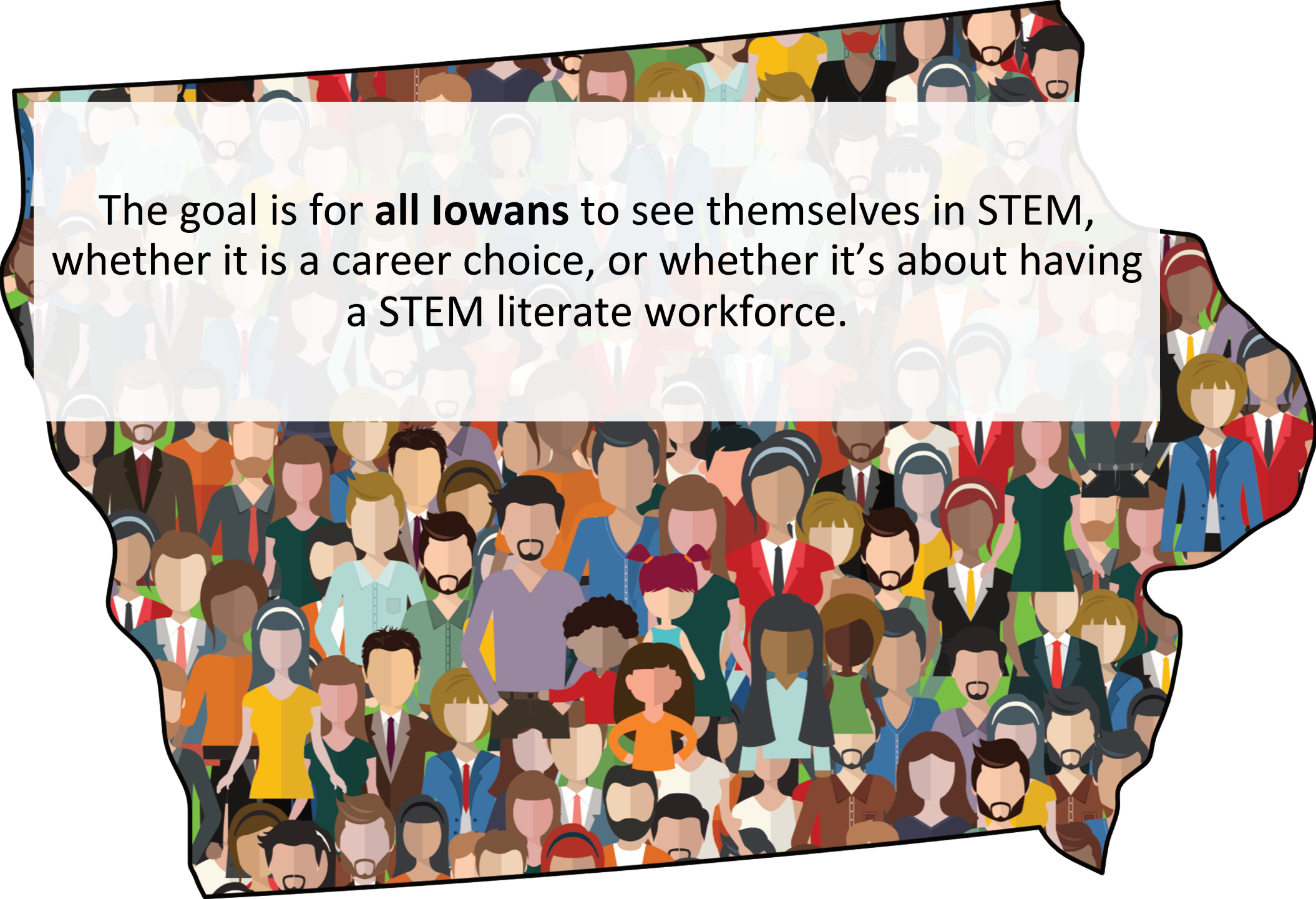
Co-Chairs Chris Kramer and Yen Verhoeven

Creativity and Innovation Task Force

under the STEM Advisory Council

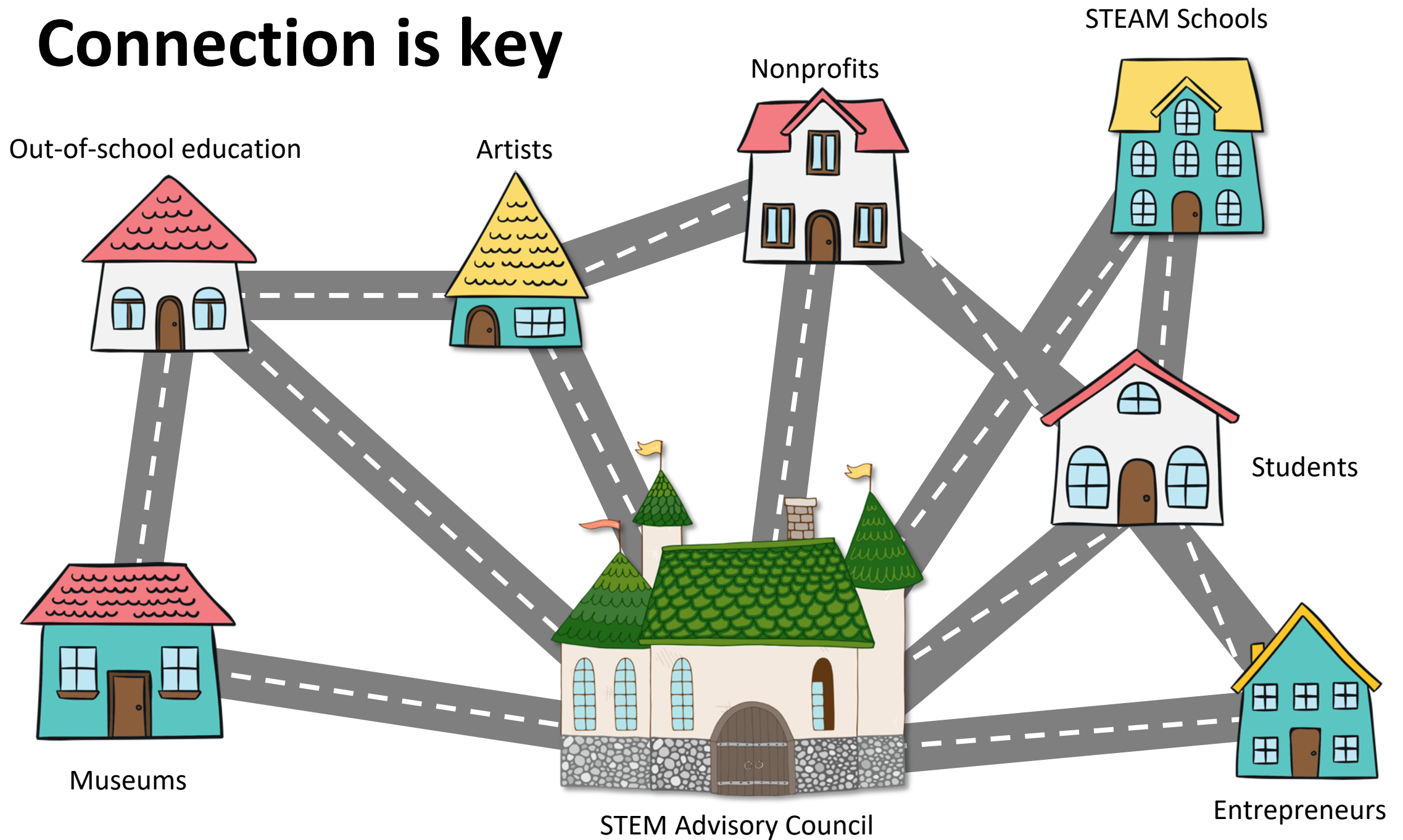
A new onramp to STEM



The background of the slide is a large, colorful crowd of stylized human figures. These figures are arranged to form the outline of the state of Iowa. The figures are diverse in appearance, with various skin tones, hair colors, and styles, and are wearing a variety of clothing. A semi-transparent white rectangular box is centered over the upper portion of the crowd, containing the text.

The goal is for **all lowans** to see themselves in STEM,
whether it is a career choice, or whether it's about having
a STEM literate workforce.

Connection is key



Task Force Goals

Goal 1: Serve as a connector of formal and out-of-classroom learning initiatives statewide.

Goal 2: Develop innovative, Iowa-based solutions to further the work and mission of the STEM Council

Goal 3: Support educators and encourage high-quality transdisciplinary instruction.

Goal 4: Increase funding pathways

3/3 Meeting at ISU Innovation Center



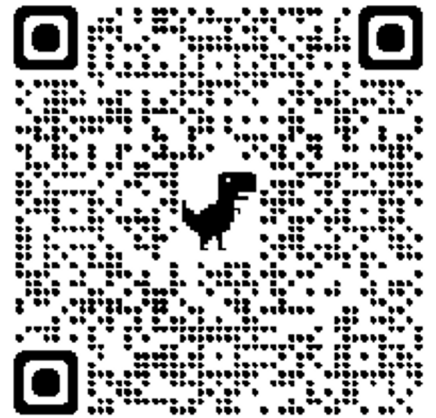
3 IDEAS

- Idea #1: Improve the connection between diverse STEM careers and industry pathways to a broader audience
- Idea #2: STEAM mobile lab/museum that travels throughout the state
- Idea #3: School supports and training

Now we want to hear from you

Please share your rolodex and knowledge by filling out the feedback form and return to us by **June 1**

- WHAT stories/events to share
 - Who to contact and links?
- WHO is already doing this and/or has the resources?
 - What is their name and contact information
 - Where to go/link to get the information
- HOW could you help?
 - Warm introduction, facilitate/lead, fund, mentor, other



<https://bit.ly/May24STEM>

COMPOSER
BEAU KENYON'S

*of
gravity
and
light*



ballet
DES MOINES



**SAVE
THE
DATE
—
MON
APR 4
7 PM**

**PANEL DISCUSSION: Science, Arts and Ethics - In partnership with
The Harkin Institute at Drake University**

Monday, April 4 | 7PM

Pomerantz Stage - Olmsted Center, Drake University

Join Dr. Moore, Dr. Pettee, and Dr. Vidrin as they explore the intersection of science, creativity, and ethics in a discussion moderated by Iowa State University Professor, Dr. Sara Nelson. The panel will delve into their own experiences while discussing how these three disciplines can be woven together to build new ideas and meaningful connections.

In the venn diagram of science, arts, and ethics lies a space for mindfulness, innovation, trust, and curiosity – ingredients that fuel collaboration, intrinsic motivation, and a stronger, more compassionate community. Composer Beau Kenyon's *Of Gravity and Light* is a new contemporary ballet that interprets the science of our solar system through music, dance (choreographer Tom Mattingly) and video projection (artist Yu-Wen Wu) premiering April 22. Presented by Ballet Des Moines, this beautiful, interdisciplinary work also strives to make abstract concepts more human and accessible.


Learn more about the panelists [here](#).

Next Steps

- Consolidate responses from IA STEM Advisory Council meeting attendees
- Meet with Task Force Educators for additional suggestions/ideas (May/June)
- Meet as a Task Force (June) to review responses, experiment, prototype new ideas, and make connections
- Update and poll IA STEM Advisory Council at the next meeting for more connections, ideas, and support

Career Guidance Implementation

Co-Chair Rob Denson




TOMORROW
STEMS
FROM IOWA

GOVERNOR'S STEM ADVISORY COUNCIL

dedicated to building a strong STEM education foundation for all Iowans

CAREER EXPLORATION AND GUIDANCE WORKING GROUP

IMPLEMENTING TWO (2) INITIATIVES:

- I. COLLEGE AND CAREER
TRANSITION COUNSELORS (CCTC)
 - II. IOWA MEANINGFUL CAREERS
CONVERSATIONS
- 



Learning that works for Iowa

CTE™

**PERKINS RESERVE: COLLEGE AND
CAREER TRANSITION COUNSELORS**



CCTCs

- Expand College and Career Transition Counselors
- College and Career Transition Counselors work as a **liaison** between the community college and secondary schools to **ensure students are supported** in their **career exploration** and receive proper **assistance in transitioning** into additional training
- The counselors will **support career exploration** through a joint effort with district ICAP efforts, the Iowa Intermediary Network, Work-based Learning Clearinghouse, and work-based learning coordinators overseeing high school student internships



CCTCs

- Use of reserve funds to support statewide expansion
 - Start-up funding would **serve as a catalyst** to partnerships
- Ensure consistency in implementation of the model statewide, and allow for tracking and data reporting.



CCTCs

- The CCTC will work directly through the community college and secondary schools
 - **Support** college **transition** and career **exploration** through targeted connections with students and families
- CCTCs will work closely with students in grades 11 and 12 in partner high schools, including
 - Summer after high school graduation
 - First-year advisor for students coming out of this program at the coordinating community college
- See the CCTC Toolkit for a sample job description



CCTCs

- District or Districts
 - Operational Sharing Dollars
 - Partner with at least 1 other school district
- IDOE, Bureau of Career and Technical Education- Perkins Reserve Funds
 - Small start-up grant funding to an eligible recipient
 - Each grant will be for a 3 year period of time
 - Long-term funding will come from other sources

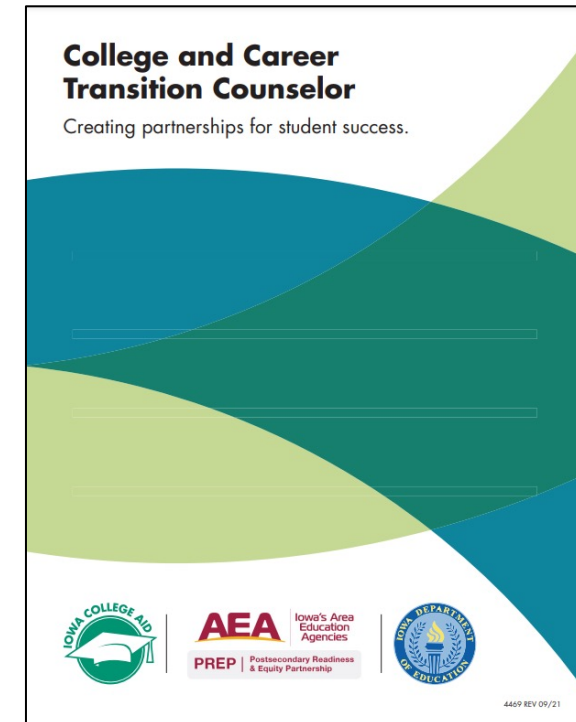


CCTCs

- Available at perkins.educateiowa.gov
- Scroll down to Iowa Perkins V Reserve Funding Projects
 - College and Career Transition Counselor Toolkit
 - A link to this slide deck and presentation will be available

COLLEGE AND CAREER TRANSITION COUNSELORS OVERVIEW

- 2021-2022 = 21
 - 2022-2023 = 7
 - GRANT SUPPORTED POSITIONS FOR
FY21 AND FY22 = 13
 - \$2M COMMUNITY PROJECT FUNDING
- DMACC* (7) (1)
 - EICC (5) (1)
 - HAWKEYE* (1)
 - ICC* (2)
 - IHCC* (1)
 - ILCC* (1)
 - IVCC* (1)
 - KIRKWOOD* (5)
 - NIACC* (2)
 - WITCC* (1)



DMACC'S EXPERIENCE = YEAR IN REVIEW

- AUGUST 2021 TO BEGINNING OF APRIL 2022,
 - ALMOST 4,000 INDIVIDUAL CONTACTS WITH STUDENTS AND FAMILIES
 - 146 EVENTS WITH ALMOST 5,000 STUDENTS
- MEET MOSTLY WITH STUDENTS AND FACE-TO-FACE

YOU HAVE OPTIONS...
BUT NOTHING IS NOT
AN OPTION

YOU HAVE OPTIONS AFTER HIGH SCHOOL!



Visit with your College and Career Transition
Counselor for more information how to get
started with your next step

Nothing is **NOT** an option!
Scan the QR for more information!



DMACC
DES MOINES AREA
COMMUNITY COLLEGE
Life's Calling™

Des Moines Area Community College (DMACC) shall not engage in nor allow discrimination against any person on the basis of race, ethnicity, sex, gender, sexual orientation, gender identity, gender expression, marital status, age, disability, or religion. The full DMACC nondiscrimination policy is available online at dmacc.edu/policy. 10/2015-12/16

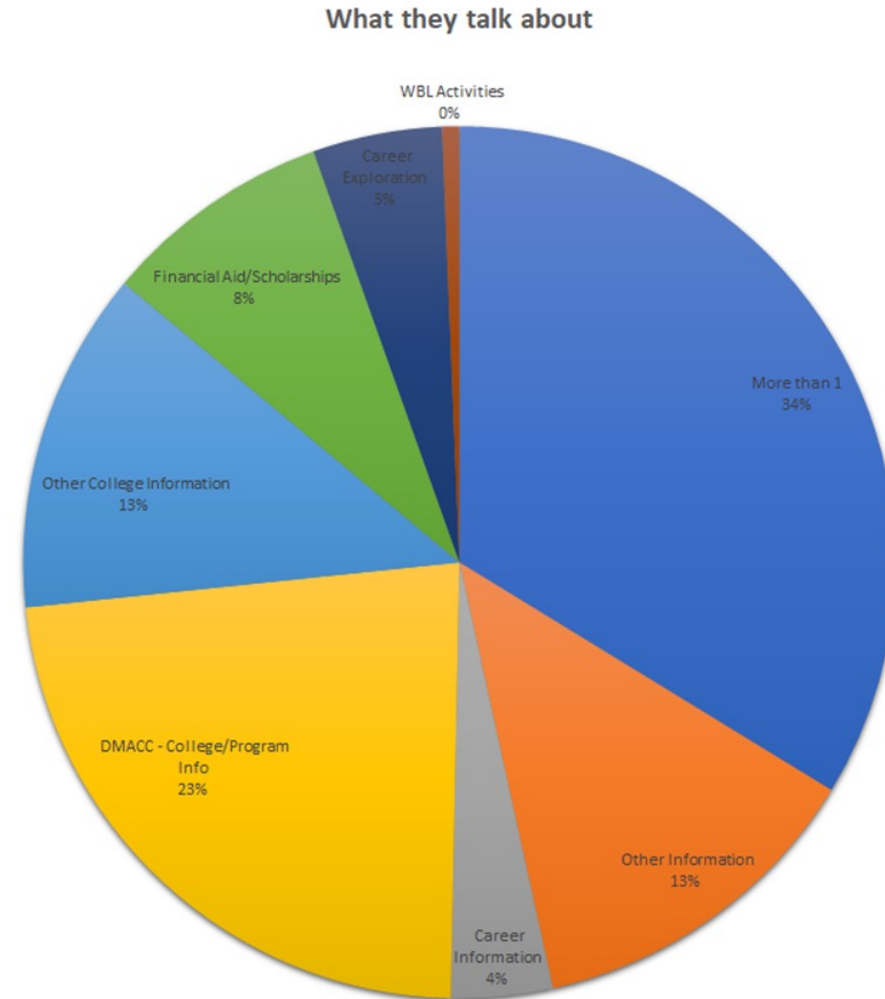
INDIVIDUAL VISITS WHAT CCTCS TALK ABOUT WITH STUDENTS

TOTAL 2,818 INDIVIDUAL VISITS

MORE THAN 1 TOPIC –
34% (951)

DMACC COLLEGE/PROGRAM
INFO – 23% (649)

OTHER COLLEGE INFORMATION –
13% (358)



EVENTS

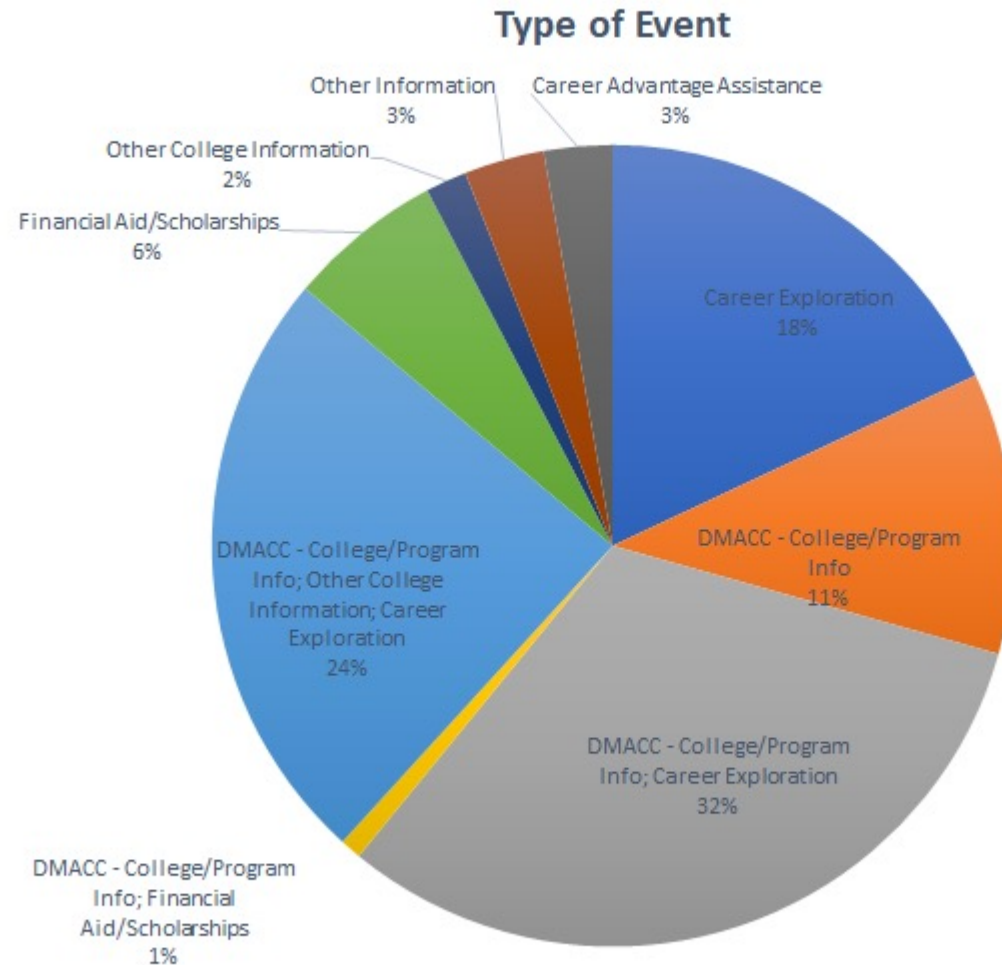
TYPE OF EVENT

CAREER EXPLORATION - 3,638

DMACC – 3,351

OTHER COLLEGE INFORMATION -
1,279

FINANCIAL AID/SCHOLARSHIPS -
308



EVENTS CAREER EXPLORATION

- CLASS PRESENTATIONS - 8TH GRADE CAREERS, IJAG, LIFE SKILLS
- APPRENTICESHIP TOUR - CARPENTER'S UNION AND MISSOURI VALLEY LINEMEN
- ASVAB
- CAREER FAIR
- ADVISORY/LUNCH VISITS - DRAGON TIME, POWER HOUR, CHATTIN' WITH DMACC
- CAREER ASSESSMENTS - IHAPI, MY ACADEMIC PLAN, NAVIANCE
- CAMPUS VISIT - DMACC URBAN AND DMACC ANKENY
- DMACC CAREER EXPLORATION DAY
- INDUSTRY TOURS - COURTHOUSE
- LUNCH & LEARNS
- PARENT TEACHER CONFERENCES

NEXT YEAR

- ADDING POSITIONS
 - ANKENY SCHOOLS
 - BALLARD AND COLO-NESCO
 - DES MOINES PUBLIC SCHOOLS
- COURSES IN HIGH SCHOOLS
 - SDV129 TRANSITION TO COLLEGE
 - WBL100 EXPLORING CAREERS
 - WBL110 EMPLOYABILITY SKILLS
- WORKING WITH HIGH SCHOOL PARTNERS TO DETERMINE GOALS FOR NEXT YEAR

Iowa Meaningful Career Conversations

Helping educators broaden career aspirations for PK-20 learners.

This FREE training is available to all school counselors, intermediaries, community college advisors, work-based learning coordinators, mentors, teachers, administrators, after-school providers, coaches, librarians, school board members, STEM advisory boards or anyone who might have a career conversation with a student in the PK-20 system in Iowa.

**Perkins V or Regional Planning Partnership funds may be available to cover CTE, Counselor or WBL Coordinator substitute or travel costs.

Why should I be trained?

- Learners see you as a mentor
- Career development engages students, parents and community partners
- Help learners understand the relationship between education and employment
- Learners develop a more informed understanding of what they need to do to attain life-long goals

**HYBRID &
VIRTUAL
TRAINING
OPTIONS**

May 10: Grant Wood AEA Virtual
May 10: Great Prairie AEA Virtual
May 11: Central Rivers AEA Hybrid
May 11: Heartland AEA Hybrid
May 12: Keystone AEA Virtual
May 18: Northwest AEA Hybrid
May 19: Prairie Lakes AEA Hybrid
May 19: Mississippi Bend AEA Virtual
May 19: Green Hills AEA (at Red Oak) Hybrid

REGISTER

<https://forms.gle/ByqJVbrdQE25Xp88>



the Iowa Department of Education has contracted for Meaningful Career Conversation (MCC) training.

May 10: Great Prairie AEA Virtual
May 11: Central Rivers AEA Hybrid
May 11: Heartland AEA Hybrid
May 12: Keystone AEA Virtual
May 18: Grant Wood AEA Virtual
May 18: Northwest AEA Hybrid
May 19: Prairie Lakes AEA Hybrid
May 19: Mississippi Bend AEA Virtual
May 19: Green Hills AEA (at Red Oak) Hybrid

Katy Blatnick-Gagne, Ed.D

Career and Technical Education Program Consultant
Career and Academic Planning

[Bureau of Career and Technical Education](#)

Iowa Department of Education
Grimes State Office Building

400 East 14th Street
Des Moines, IA 50319
515-681-6733 (C)

cte.educateiowa.gov
perkins.educateiowa.gov
ctso.educateiowa.gov

Rural Iowa STEM Education

Tri-Chairs Mauree Haage, Lori Ihrig and Evrim Baran

Rural STEM Working Group update

- ▶ Met once in beginning of May
- ▶ Working on laying the foundation
 - ▶ Defining what rural means to our group
 - ▶ Looking at what our group's strengths are
 - ▶ Figuring out what already exists
- ▶ Short term goals
 - ▶ Get definition and foundational items near completion this summer
 - ▶ Dive into our recommendations early fall

Computer Science is Elementary

TOMORROW
STEMS
FROM IOWA



Computer Science is Elementary

May 2022 Update

Mary Trent, NW STEM Regional Manager

Erin Chute, NW AEA Tech Consultant

Computer Science is Elementary Schools

Cora B Darling Elementary (Postville)

Denison Elementary

East Union Elementary

Franklin Elementary (Boone)

Hospers Elementary (MOC-Floyd Valley)

Kingsley Elementary (Kingsley-Pierson)

Loess Hills Elementary

Lenihan Intermediate (Marshalltown)

Perry Elementary

Pocahontas Elementary

Richardson Elementary (Fort Madison)

Storm Lake Elementary

Whittier Elementary (Clinton)

Computer Science is Elementary Blueprints

Leadership
Teacher Capacity and Development
Curriculum and Materials Selection and Refinement
Community
Partners

Due May 31, 2022 and housed at
<https://iowastem.org/cselementary>

Introduction
Student and School Demographics
Program Goals and Measurements
Changing Landscape of Computer Science
Stand Alone or Embedded
Implementation Planning Steps
Alignment to Iowa Computer Science Standards
Budget Plan
Monitoring and Evaluation Plan
Data Collected
Challenges, Barriers, and Solutions
Sustainability
Next Steps

Computer Science is Elementary Mentorship

Rationale: The Computer Science is Elementary (CS is E) Project Schools Mentors will provide guidance and support to other elementary schools across the state that are creating and implementing their Computer Science plans for their district in line with the Department of Education legislative requirements.

Objective: Every elementary school participating in the Computer Science is Elementary Project Schools Mentor Program will meet the Iowa Department of Education legislative requirements with high engagement and fidelity.

Program Coordinators: Mary Trent, Northwest Regional STEM Manager, and Erin Chute, Northwest AEA Instructional Technology Consultant.

Prospective Mentors: Educators and administrators who have been involved with the Computer Science is Elementary Project Program. Prospective mentors will be required to complete the application.

Application Process: A review process will select the mentors for this program. Applications will be scored on a rubric. Applications are due on June 3, 2022 and announced on June 16, 2022.

Testimonials

"My students are so engaged when using computer science when it is integrated into other subjects. Hearing them collaborate and use problem solving skills is music to my ears!! Computer Science really does make a difference in kids at any age!! We are so lucky to have so much as their fingertips!!"

Fort Madison

"CS is E has given me opportunities to collaborate with other teachers to incorporate technology in meaningful ways with my students. Taking a deeper dive into the computer science standards created an awareness of ways we can address not just our curriculum core standards but integrate STEM as well."

Denison



Any Questions?

Mary Trent mtrent@iowalakes.edu

Erin Chute echute@nwaea.org

STEM Council Inputs

Jeff Weld, STEM Council Executive Director

Perspective from a Regional STEM Hub Institution Supervisor

Tom Lesan, Southwestern Community College Vice President for
Economic Development

Closing Remarks and Reflections

Emily Wilkerson, Council member and student
representative

Thank you!