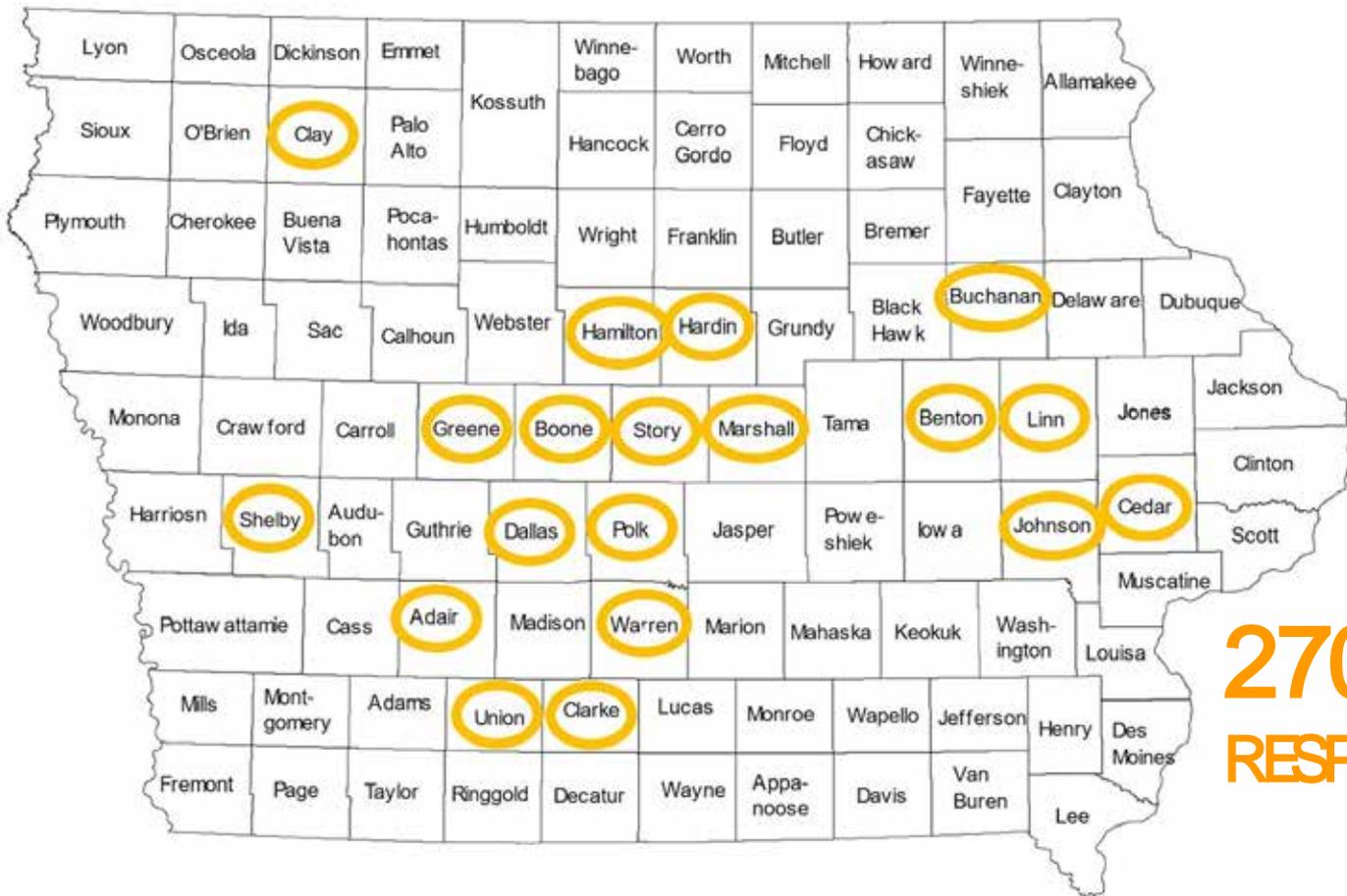


STEM SURVEY

Presented by
Kwizera Imani, Jamie Milota, Kylee Stitz

ONLINE SURVEY

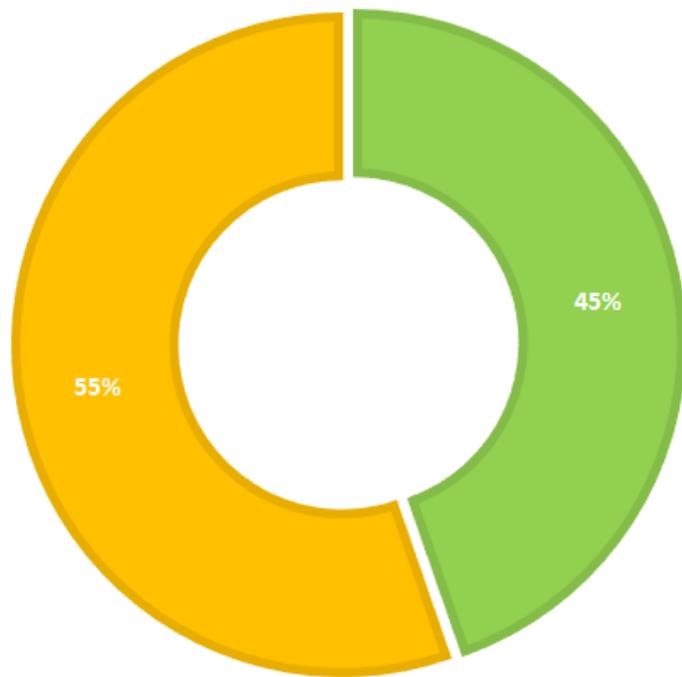
A CONVENIENCE SAMPLE



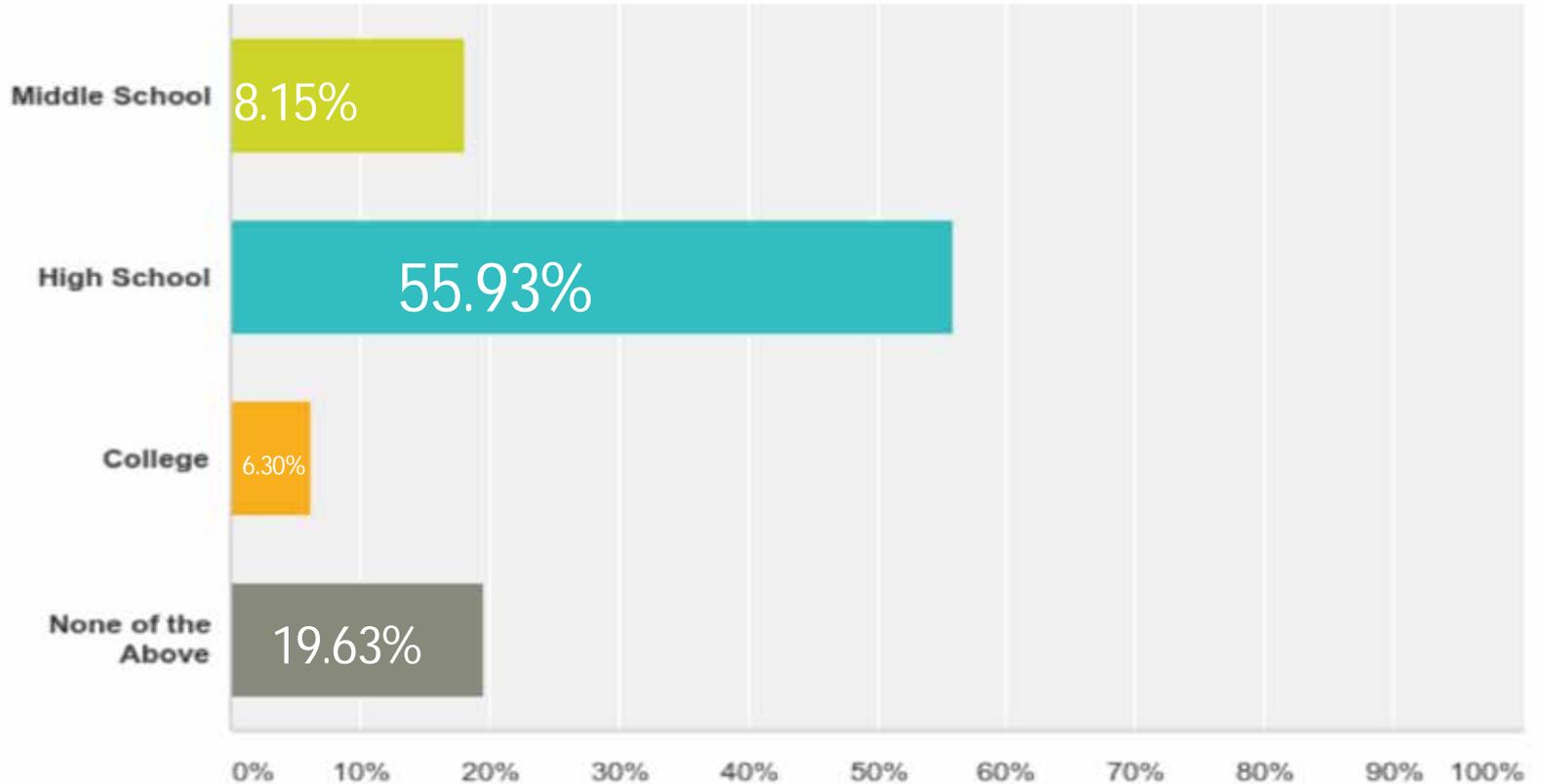
270
RESPONSES

GENDER IDENTIFICATION

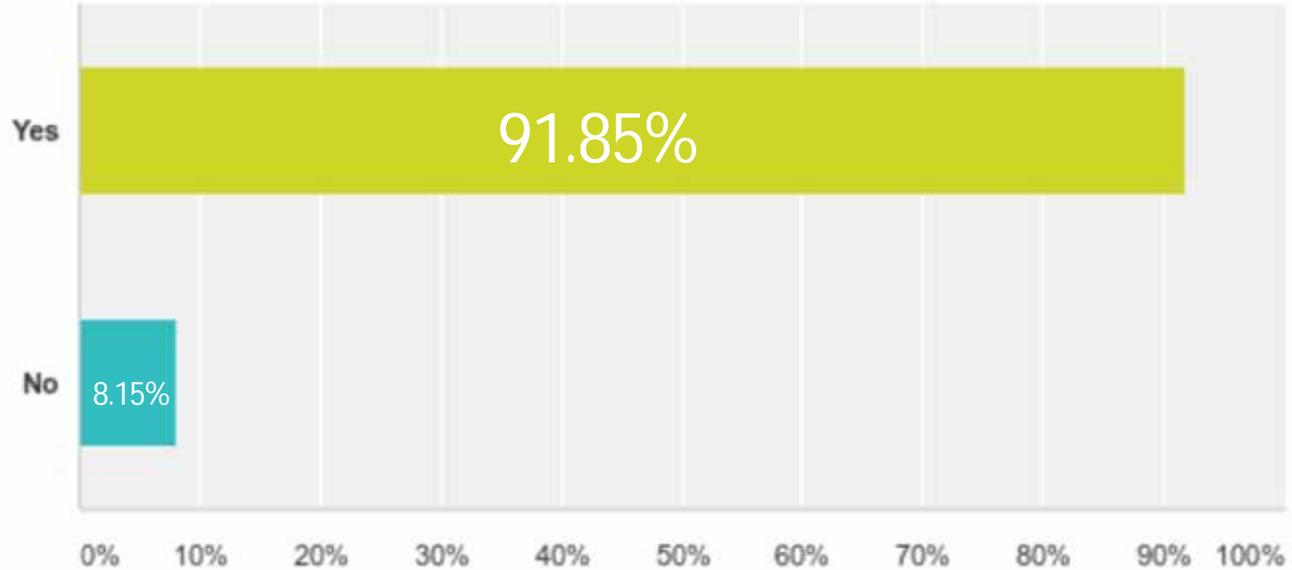
■ Males ■ Females



LEVEL OF SCHOOLING



HAVE YOU HEARD OF STEM?



Responses From Students

“A bigger way to learn and challenge yourself.”

“To become successful and achieve.”

“STEM does not mean much to me because I don't know what it is.”

“The opportunity to problem solve and create things to help fix and change the world for better”

“STEM is boring.”

“Solving problems”

What does STEM mean to you?...

“It's like scientists, people who work with Apple, and really smart people.”

“You are set in a special class that will prepare you to go into a job that specializes in one of these categories.”

“All the smart kids get together.”

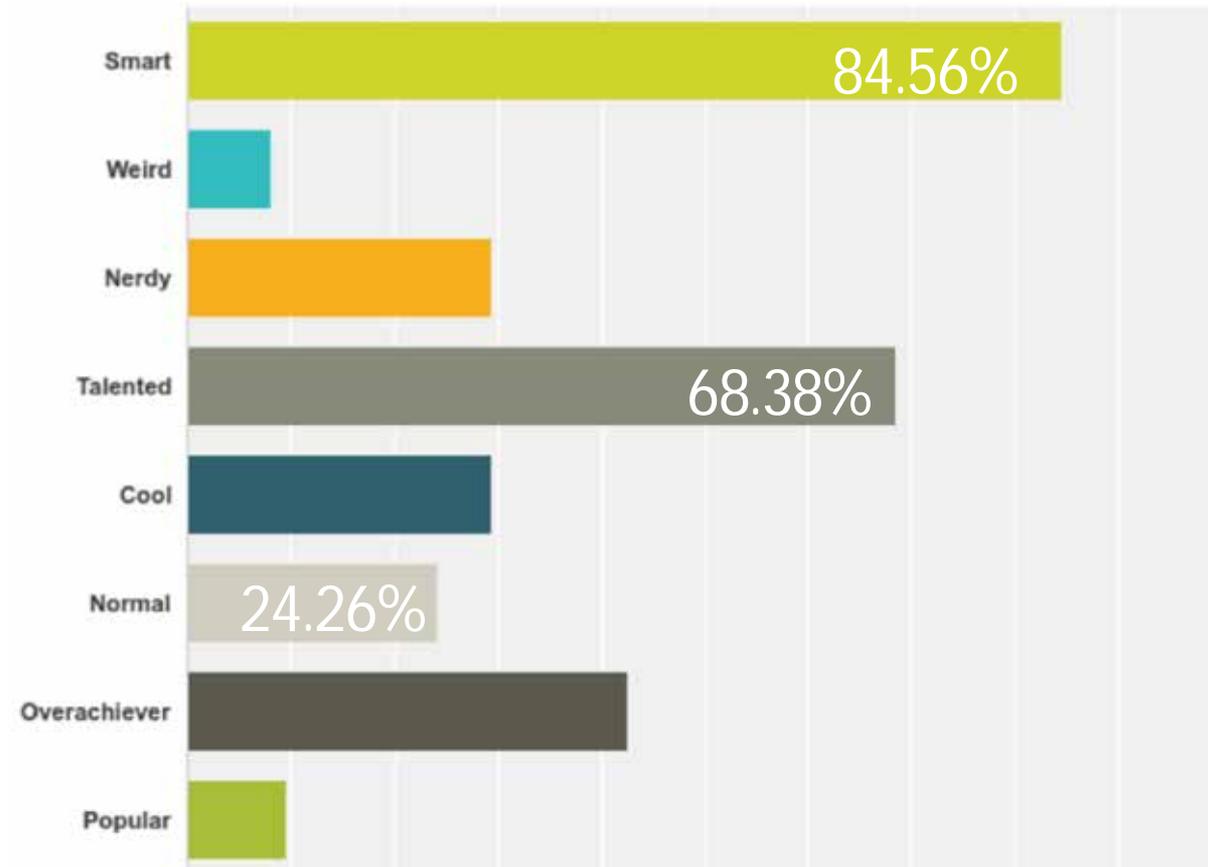
“STEM is a way for people to learn and meet people.”

“A group of people interested in the four topics and would like to learn more.”

“When you say STEM, I prepare myself to learn something applicable.”

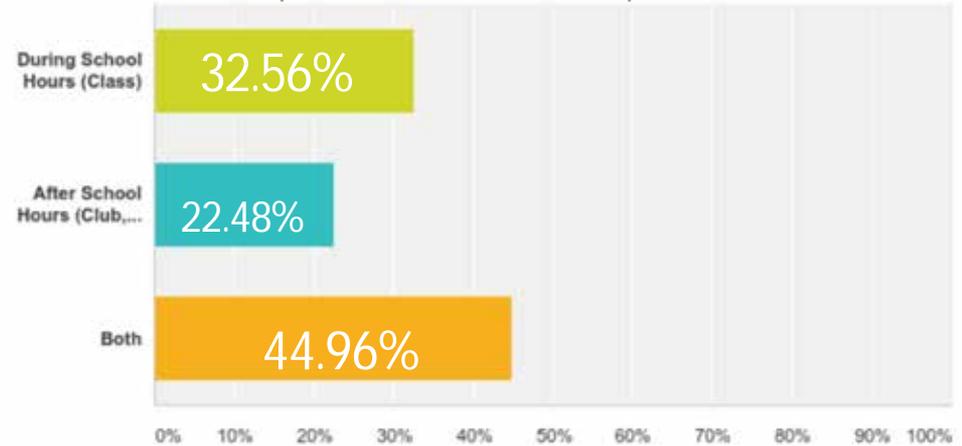
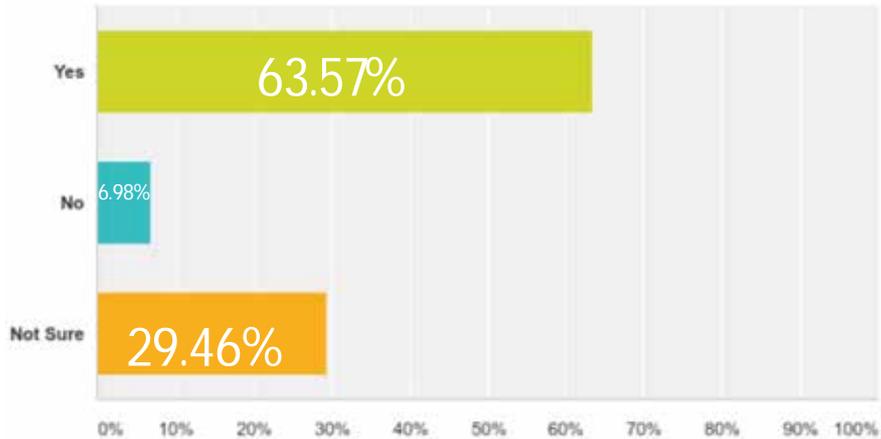
“Class for the overachievers, not normal students.”

REPUTATION OF STEM

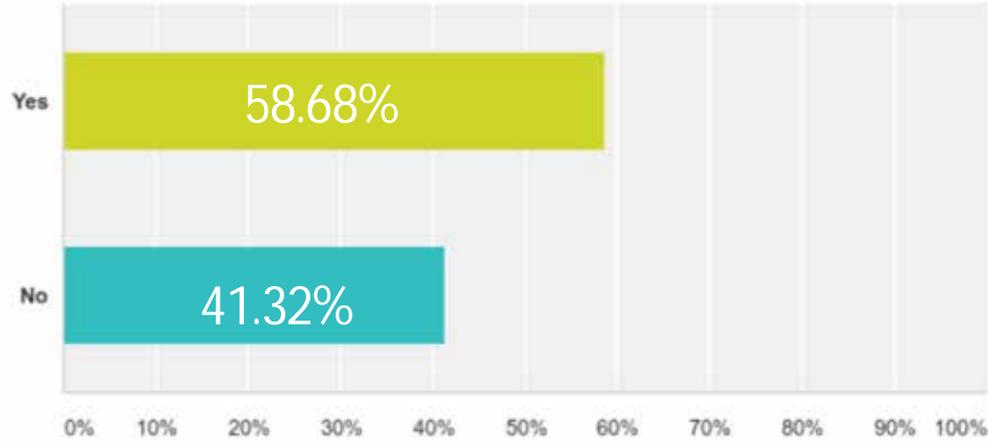


AVAILABILITY OF STEM

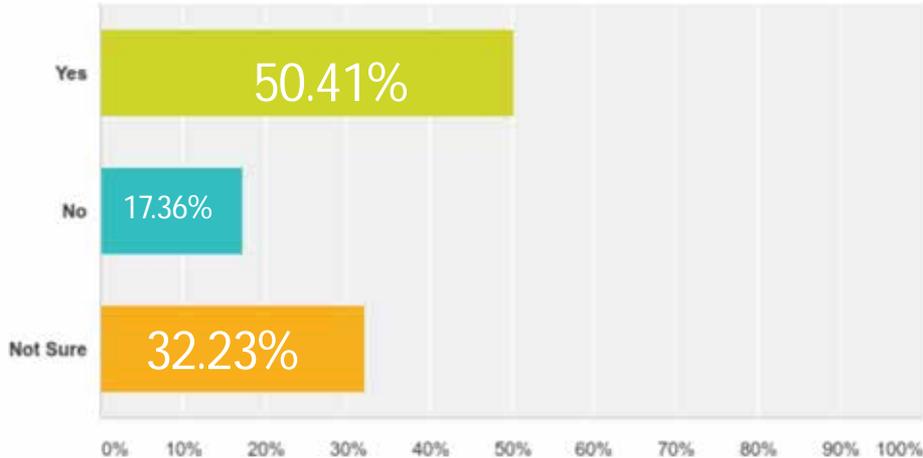
ARE STEM PROGRAMS IN YOUR SCHOOL? IN SCHOOL, AFTER SCHOOL, OR BOTH?



CAREER PREPARATION



IN YOUR OPINION, IS YOUR FUTURE CAREER CONSIDERED A STEM CAREER?



DO YOU BELIEVE THE STEM CLASSES OR ACTIVITIES YOU ARE PARTICIPATING IN WILL HELP YOU BE IN THAT CAREER ONE DAY?



Recommendations: Short-Term

Advertise:

Creating student-specific campaigns to run on STEM's social media platforms

Collaborating with more schools social media outlets

Start a #STEM4EVERYONE Campaign

Update Website:

- Provide tools for help, career paths, identifying STEM in classes, etc
- Pages dedicated for each letter of STEM
- STEM related games and simulations for students to play around with (Cool Math for Kids, PHet, Code Academy)

STEM Events:

- Introducing more community STEM festival across the state in community that haven't experienced one yet.
- K-12 career fair

STEM Ambassadors:

- Apart of student council
- Individuals promote and inform STEM to student body
- Point of contact for our STEM associates



Recommendations: Long-Term

— — —

Project-based Classes:

- Expand the STEM BEST and STEM Redesigned Learning Environment Programs
- Introducing Coding Classes into the Iowa Core Curriculum

High School Internships:

- Two week long internships
- Helps students get a feel of what it's like having a STEM job
- Gains experience and connections in the job

Next Steps

— — —

Youth Student Council:

- Continue to explore and insert ourselves into the Iowa Governor's STEM Advisory Council programming
- Expand the survey to counties across the State of Iowa that did not participate in our survey