



CASE STUDY



Who:

Taylor Hubbard, Ankeny High School
Olivia Palmer, Christ the King
David Jahn, Municipal Arborist for the City of Des Moines Public Works

What & When:

Iowa STEM Teacher Externships Program, Summer 2015

Where:

Des Moines Public Works Forestry Division

The Story:

Taylor Hubbard and Olivia Palmer spent their Iowa STEM Teacher Externships helping the Des Moines Public Works Forestry Division survey privately owned ash trees in several metro communities. They conducted a random sampling, collected data and mapped trees on their iPads. This program, supported by the Iowa Governor's STEM Advisory Council, allowed these two science teachers to take what they were learning in the field back to their classrooms to enhance their existing curriculum and improve their students' overall awareness of STEM career opportunities in their community.

Learn more about Taylor's and Olivia's Iowa STEM Teacher Externships by watching:

https://www.youtube.com/watch?v=2Ht1WX_sFul

Are you a teacher or workplace interested in participating in the Iowa STEM Teacher Externships program? Please visit:

<http://www.iowastem.gov/externships>

GREATNESS
STEMS
FROM IOWANS

GOVERNOR'S STEM ADVISORY COUNCIL

dedicated to building a strong STEM education foundation for all Iowans



IOWA STEM TEACHER
EXTERNSHIPS FACT:

90%

of Teacher Externs
agreed or strongly
agreed that the
externship impacted
their teaching and
improved their own
views of mathematics
or science teaching.

"Sometimes kids question in school, 'why are we studying this?' I wanted to give them a real-life example of how these skills they are learning could be helpful in a job."

—Taylor Hubbard

"They're inputting us and we're inputting them. They are able to take their newfound skills back to their classroom, which then becomes transferable to the students as they are looking for career paths."

—David Jahn

