


BIG RED

N **SUMMER ACADEMIC CAMP** 

bigredcamps.unl.edu

2015

WEATHER & CLIMATE SCIENCE

2015 Big Red Summer Academic Camp **W E A T H E R S C I E N C E**

Sunday, June 7:

7:00 p.m. – 8:00 p.m.

Big Red Summer Academic Camp Participants Register

- Burr Hall Front Lobby

8:00 p.m. – 9:00 p.m.

Camper Orientation (Hardin Hall Auditorium)

- Parents are welcome to stay to learn more about the program.

9:00 p.m. – 10:00 p.m.

Get Acquainted

11:00 p.m.

Lights Out

Monday, June 8:

7:00 a.m. – 8:00 a.m.

Breakfast

8:00 a.m.

Travel to classrooms

8:30 a.m. – 9:30 a.m.

Camp Starts

Weather map discussion; Hardin Hall 209

9:30 a.m. – 12:00 p.m.

Observing the weather and climate

-Inside/Outside experiments

12:00 p.m. – 1:00 p.m.

Lunch

1:00 p.m. – 4:30 p.m.

Observing the weather and climate

-Inside/Outside experiments

4:30 p.m.

Return to Burr Hall

4:45 p.m. – 5:30 p.m.

Travel to Eastern Nebraska 4-H Center

5:30 p.m. – 6:00 p.m.

Let's Eat

6:00 p.m. – 9:45 p.m.

Eastern Nebraska 4-H Center Experience

-Teambuilding

-Zipline

9:45 p.m. – 10:30 p.m.

Return to Burr Hall

11:00 p.m.

Lights Out

Tuesday, June 9:

7:00 a.m. – 8:00 a.m.

8:00 a.m.

8:30 a.m. – 10:00 a.m.

12:00 p.m. – 1:00 p.m.

1:15 p.m. – 2:15 p.m.

2:30 p.m. – 3:00 p.m.

3:00 p.m. – 4:00 p.m.

4:15 p.m. – 4:30 p.m.

4:30 p.m.

5:00 p.m. – 6:00 p.m.

6:00 p.m. – 9:30 p.m.

9:30 p.m.

11:00 p.m.

Breakfast

Travel to classrooms – Take Lunch with you!

Camp Starts

Travel to NWS (Omaha/Valley)

Lunch (Weather Jeopardy)

Return to UNL

Weather Map discussion

Indoor/Outdoor experiments

Return to Burr Hall

Load bus to City Campus

Let's Eat

- Dinner – Harper Schramm Smith Dining Hall, UNL City Campus

City Campus Experience

- UNL City Campus Tour / Art Experience

Load Shuttle to East Campus, Burr Hall

Lights Out

Wednesday, June 10:

7:00 a.m. – 8:00 a.m.

8:00 a.m.

8:30 a.m. – 9:30 p.m.

9:30 a.m. – 10:00 a.m.

11:00 a.m. – 12:00 p.m.

12:00 a.m. – 12:30 p.m.

12:30 p.m. – 1:30 p.m.

1:30 p.m. – 2:00 p.m.

2:30 p.m. – 4:30 p.m.

4:30 p.m.

5:30 p.m.

6:00 p.m. – 9:00 p.m.

9:00 p.m. – 10:00 p.m.

11:00 p.m.

Breakfast

Travel to Classrooms

Camp Starts

Weather Map discussion

Travel to City Campus

Memorial Stadium Tour

-Micro Climate Study

Lunch

Bessy Hall

-Meteorology Lab

-Research and Careers

Return to East Campus

Observing the weather and Climate

Return to Burr Hall

Let's Eat

East Campus Experience

Water Windmill Challenge

Lights Out

Thursday, June 11:

*******WEAR YOUR BIG RED CAMP T-SHIRT!*******

7:00 a.m. – 8:00 a.m.	Breakfast
8:00 a.m.	Travel to classrooms
8:30 a.m. – 9:30 a.m.	Camp Starts
	Weather Map discussion
9:30 a.m. – 10:00 a.m.	Practice Weathercasting
10:00 a.m. – 11:00 a.m.	NDMC, Water Banking
11:00 a.m. – 12:00 p.m.	Raytheon
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 2:00 p.m.	Rusty Dawkins, KOLN/KGIN TV
12:30 p.m. – 1:30 p.m.	CHME Demonstrations/Lab Tour, Hunter Flodman
2:00 p.m. – 3:30 p.m.	Indoor/Outdoor Experiments
3:30 p.m. – 4:30 p.m.	Capstone preview
4:30 p.m. – 5:30 p.m.	Capstone Preview Event
5:45 p.m.	Let's Eat
6:30 p.m. – 10:00 p.m.	Champion's Fun Center
11:00 p.m.	Lights Out

Friday, June 12:

7:00 a.m. – 8:00 a.m.	Breakfast
8:00 a.m.	Travel to Classrooms
8:30 a.m. – 9:30 a.m.	Camp Starts
	Weather map discussion
9:30 a.m. – 11:00 a.m.	Green Screen experience, Mike Kamm
11:00 a.m. – 12:00 p.m.	Science Career Bingo
12:00 p.m. – 12:45 p.m.	Lunch
12:45 p.m. – 1:15 p.m.	Wrap up; Capstone Practice
1:15 p.m. - Completion	Capstone Event
	- Parents are invited to attend the capstone event!
Upon Completion	Back to Burr Hall - Pack up Camp and Move Out

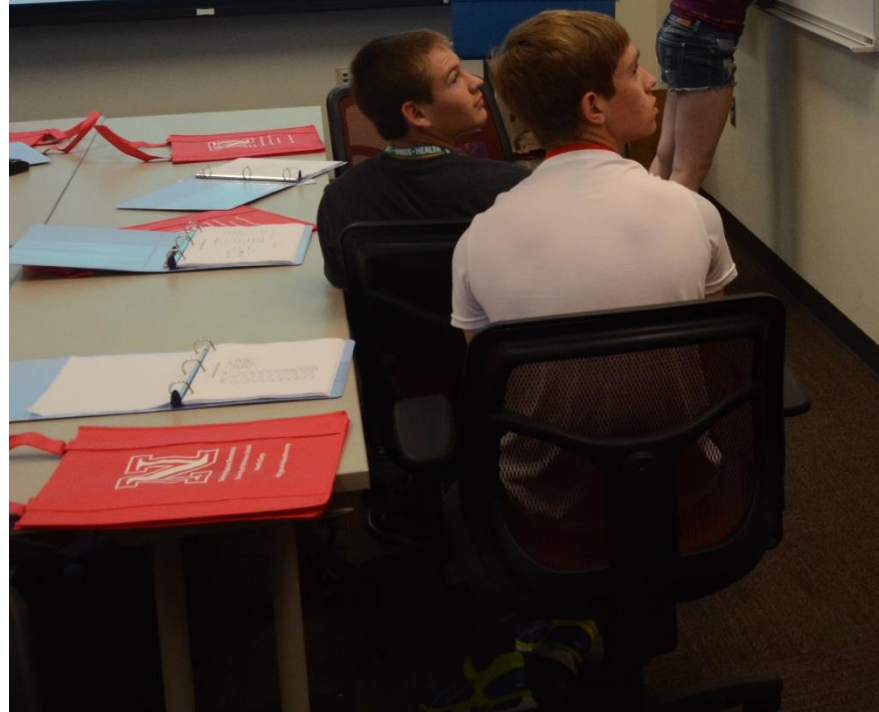
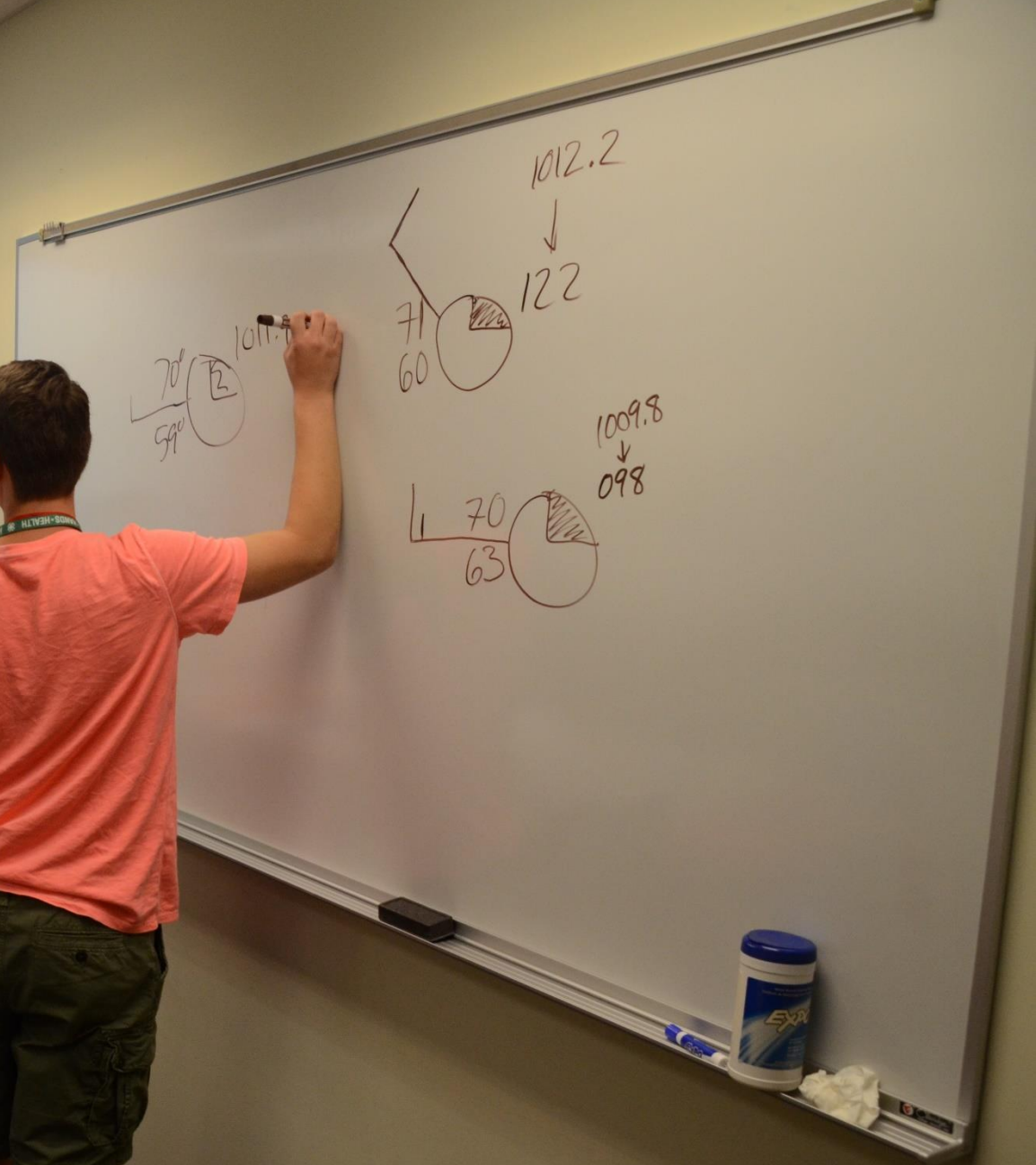
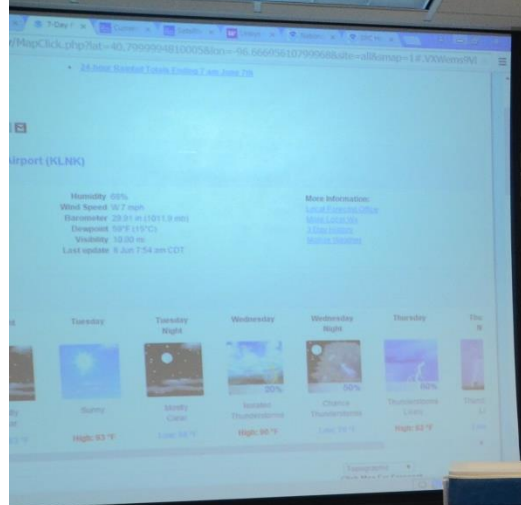
Sunday, June 8, 2015





Monday, June 8, 2015















Tuesday, June 9, 2015





National
Weather
Service



UNL
WEATHER CAMP

N Welcome to the N
UNL WEATHER CAMP

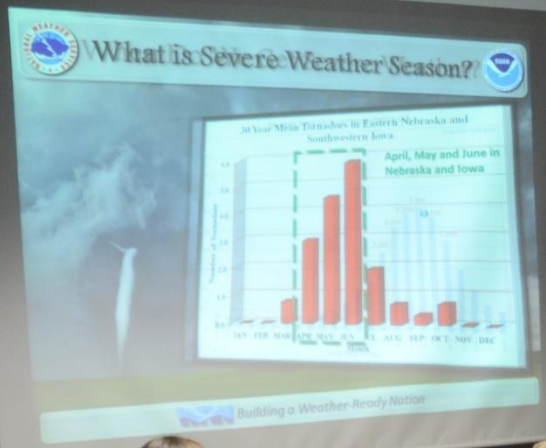
NOTICE
THIS PROPERTY
PROTECTED
BY
ELECTRONIC
SURVEILLANCE







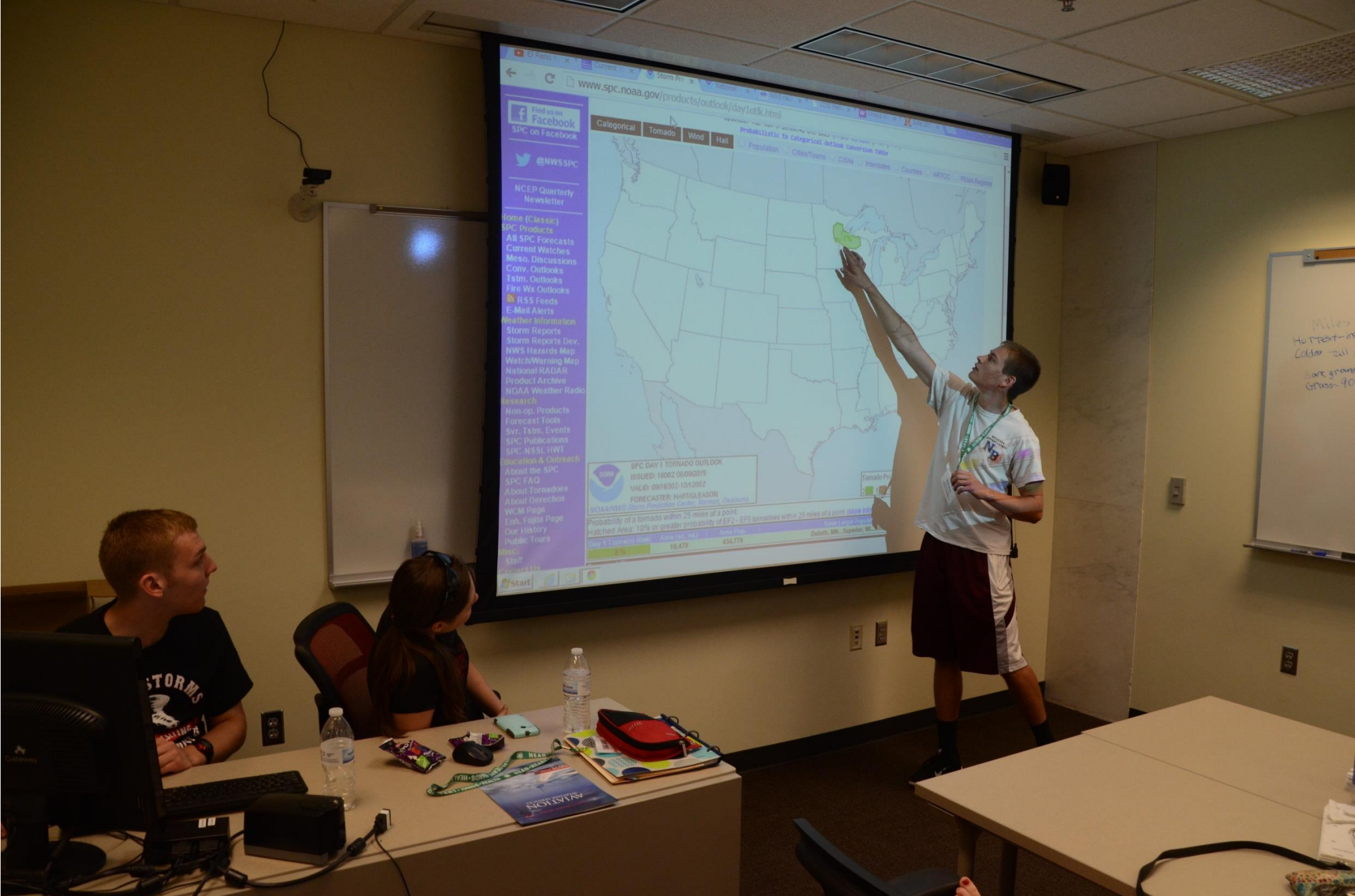












www.spc.noaa.gov/products/outlook/day1otlk.html

Probabilistic to categorical outlook conversion table

Population Cities/Towns CWAs Interstates Counties ARTCC FEMA Regions

Categorical Tornado Wind Hail

NOAA/NWS Storm Prediction Center, Norman, Oklahoma

SFC DAY 1 TORNADO OUTLOOK
ISSUED: 1608Z 06/08/2015
VALID: 081630Z-101200Z
FORECASTER: HARTIGLEASON

Probability of a tornado within 25 miles of a point
Matched Area: 10% or greater probability of EF2+ EFS tornadoes within 25 miles of a point (Area Pop.)

Day 1 Tornado Risk	Area Pop.	Area Pop.
2%	16,479	434,778

Duluth, MN, Superior, WI

Miles
Hottest in
Colder - 211
Have ground
grass - 90

STORMS

NATIONAL HAZARD













Wednesday, June 10, 2015

MEMORIAL STADIUM



N

STADIUM

N



WOMEN

WOMEN























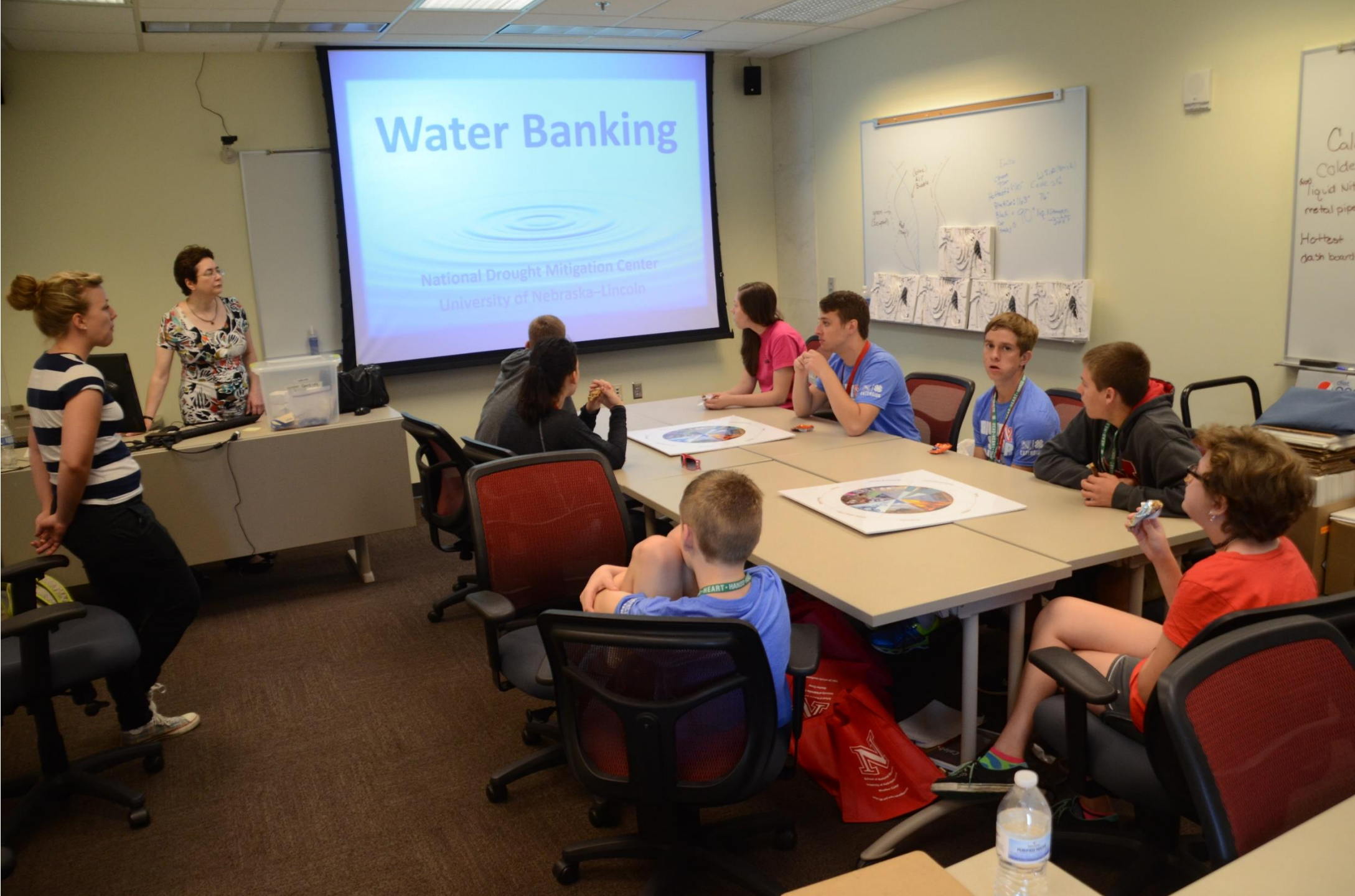








Thursday, June 11, 2015



Water Banking

National Drought Mitigation Center
University of Nebraska-Lincoln

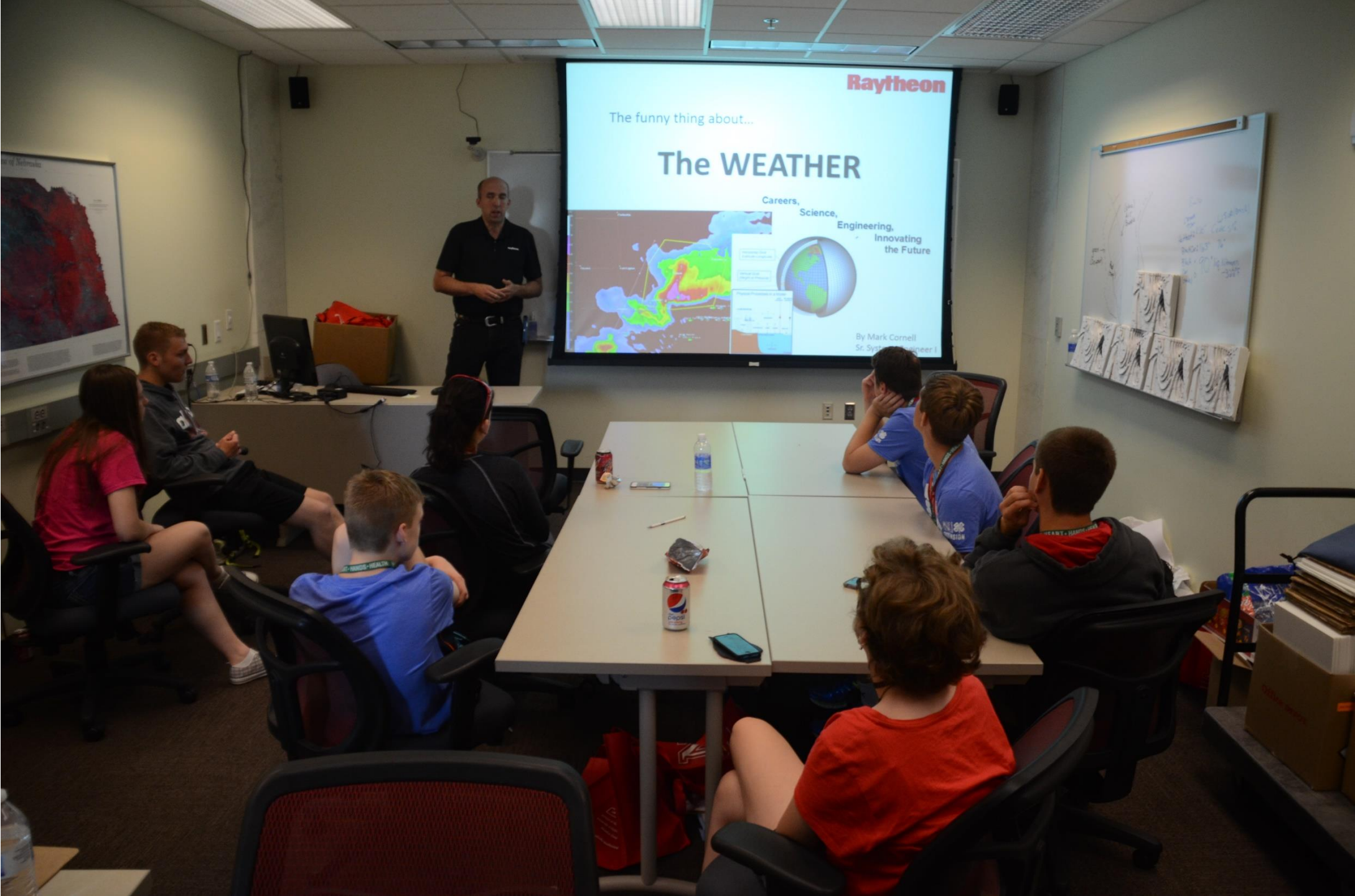


Coldest
Liquid Nitrogen
metal pipe
Hottest
dash board



Based on your role, how would you allocate the 28 inches of precipitation?





Raytheon

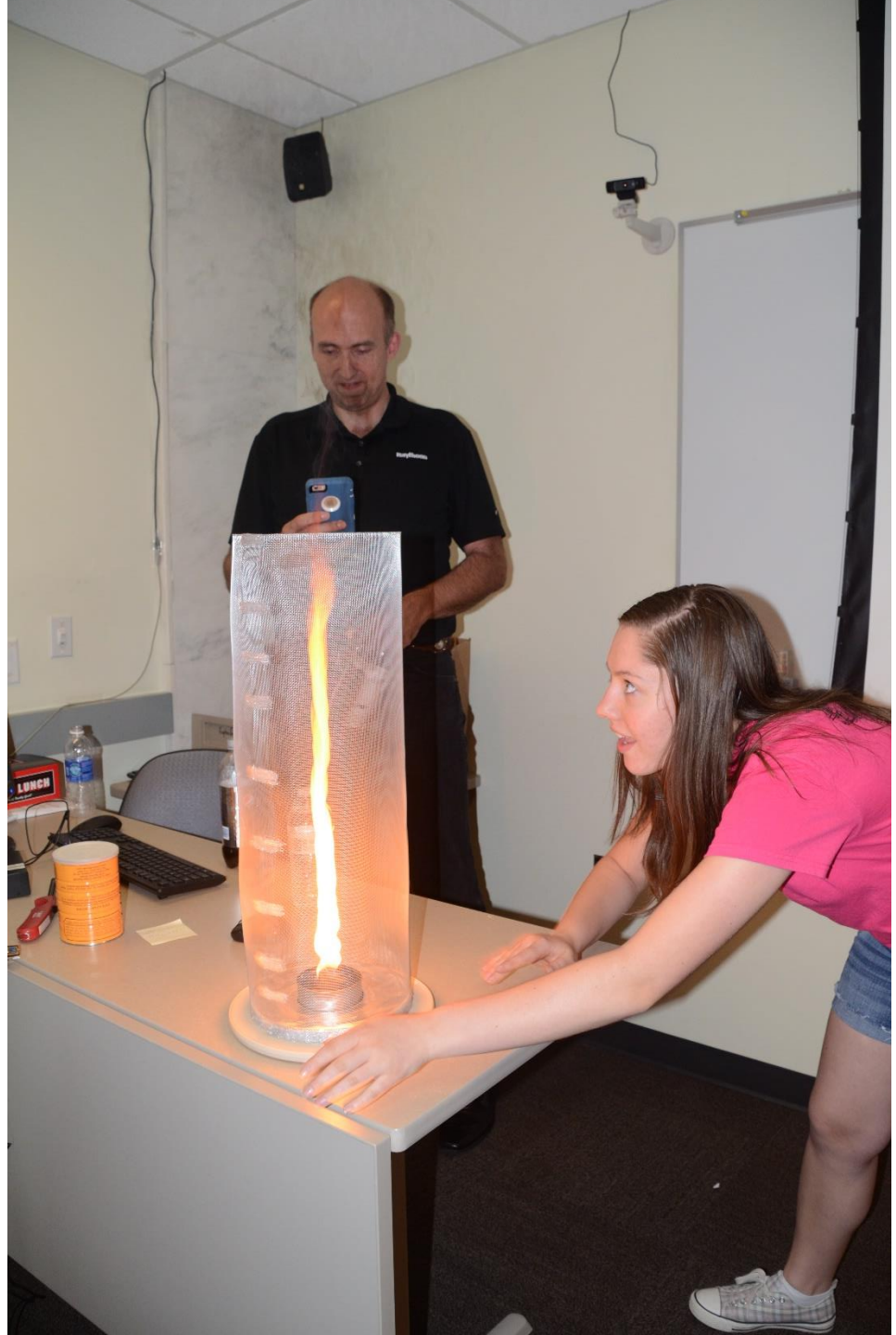
The funny thing about...

The WEATHER

Careers,
Science,
Engineering,
Innovating
the Future

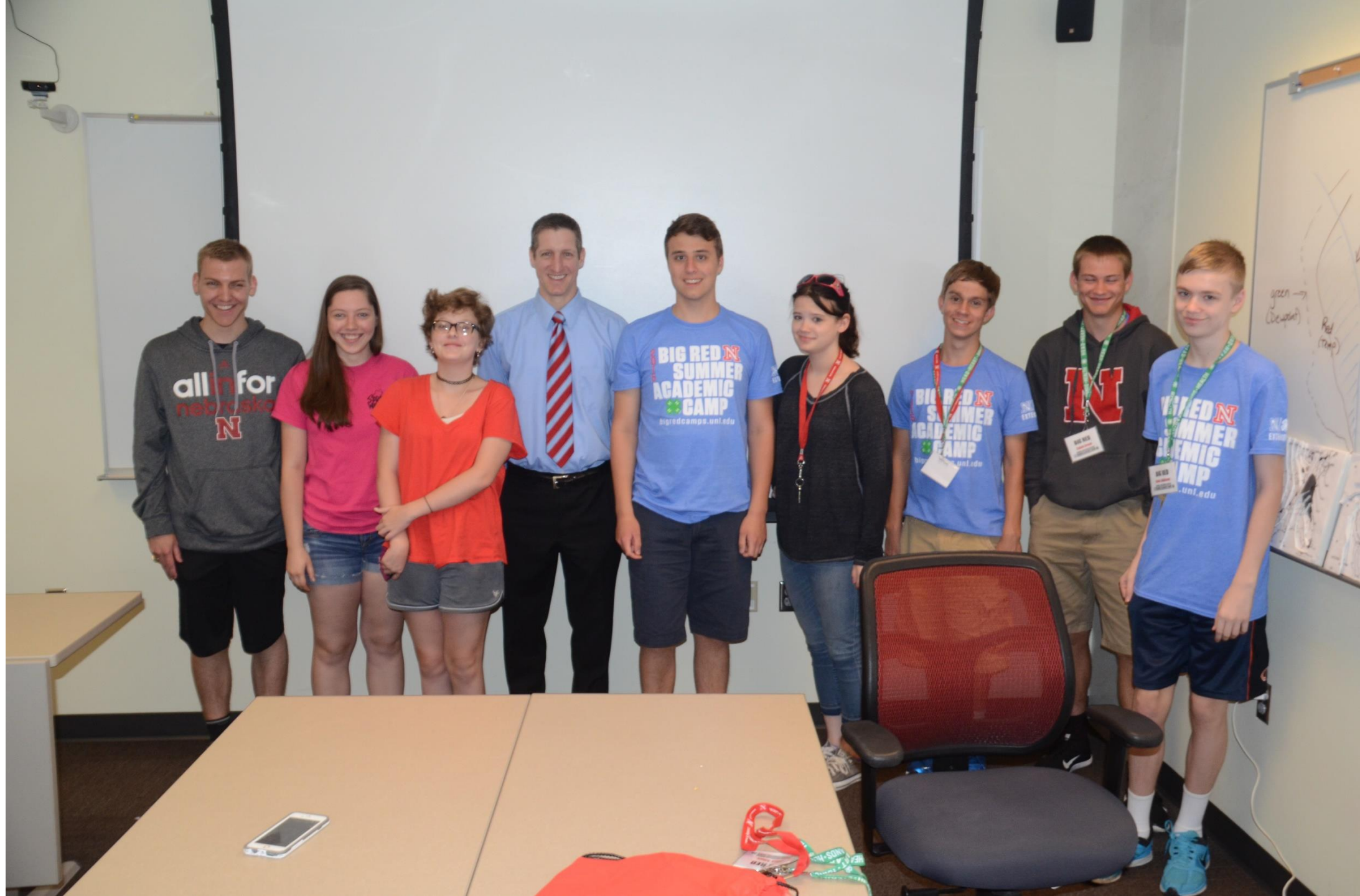
By Mark Cornell
Sr. Systems Engineer I

















Friday, June 12, 2015







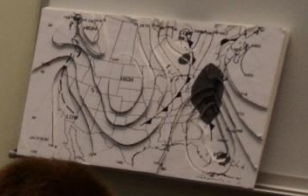


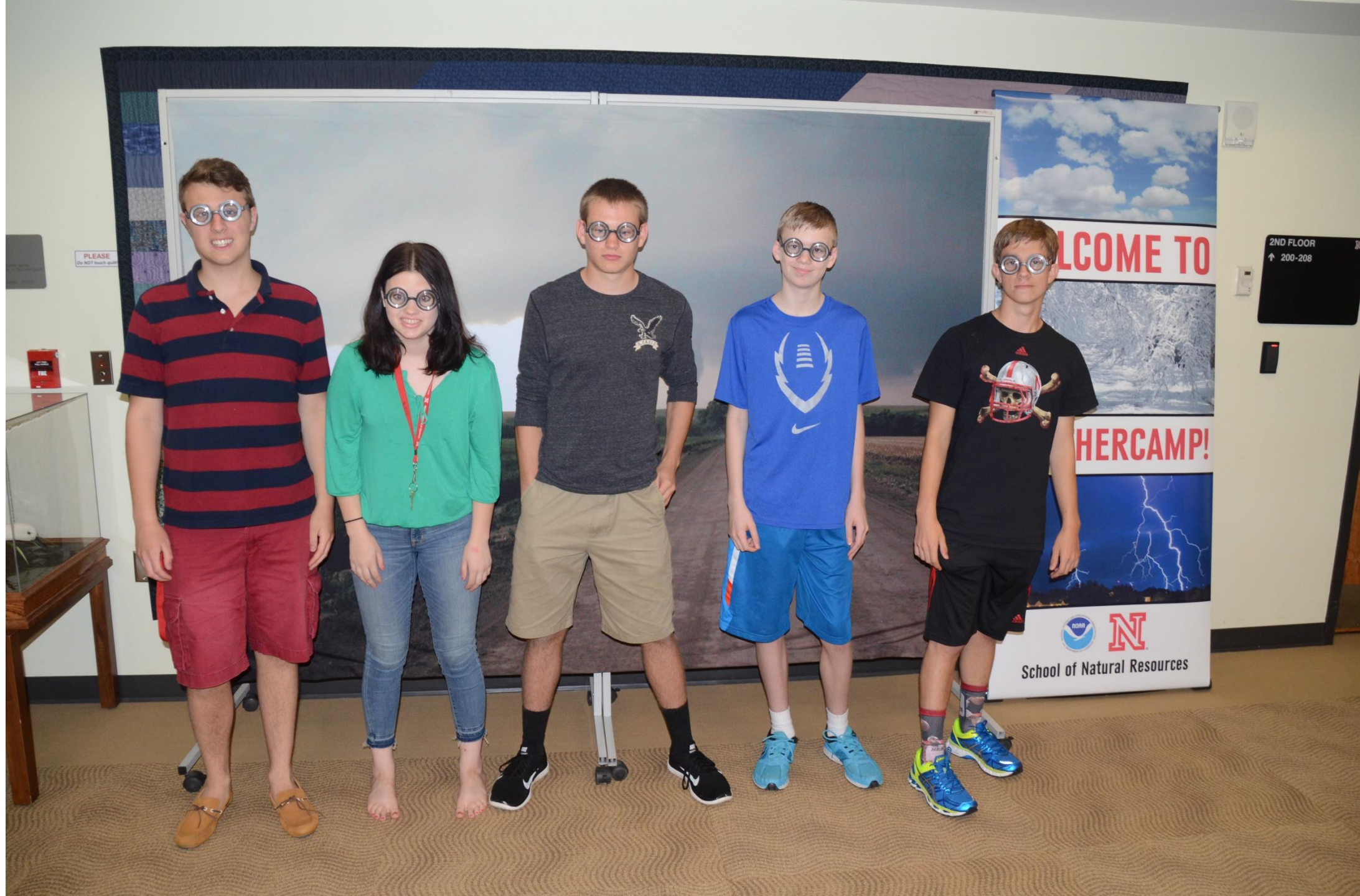


FL- 3952 12,455
F4-5 50
Cig Em
Spiky
Nosefe-7050
ATM 154 - 2000
3350 - 10/10/10

Closest Top
Ht: 136" Code 576
W: 52 (b/w)
Black Cr: 1103" 76"
Black * 90" liq. Nitrogen
Car (made) -33°F

South - 4762
Dead - 358
inj - 8442





PLEASE
Do NOT touch anything

2ND FLOOR
↑ 200-208

WELCOME TO

HERCAMP!



School of Natural Resources





BIG RED

SUMMER ACADEMIC CAMP

2015

WEATHER & CLIMATE SCIENCE

WELCOME TO

WEATHERCAMP!

School of Natural Resources



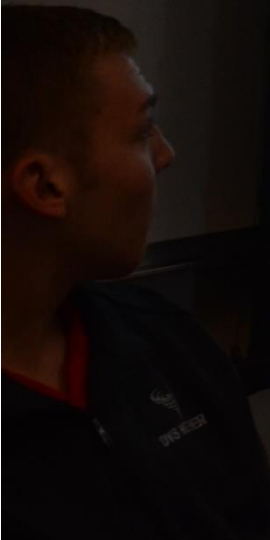
1960-70 2000-2010

F4-5	3952	12,455
F4-5	117	50

Gig 'Em
 Envy
 Advising
 Nebraska-7050
 ATM 184 - death
 3320 - injury

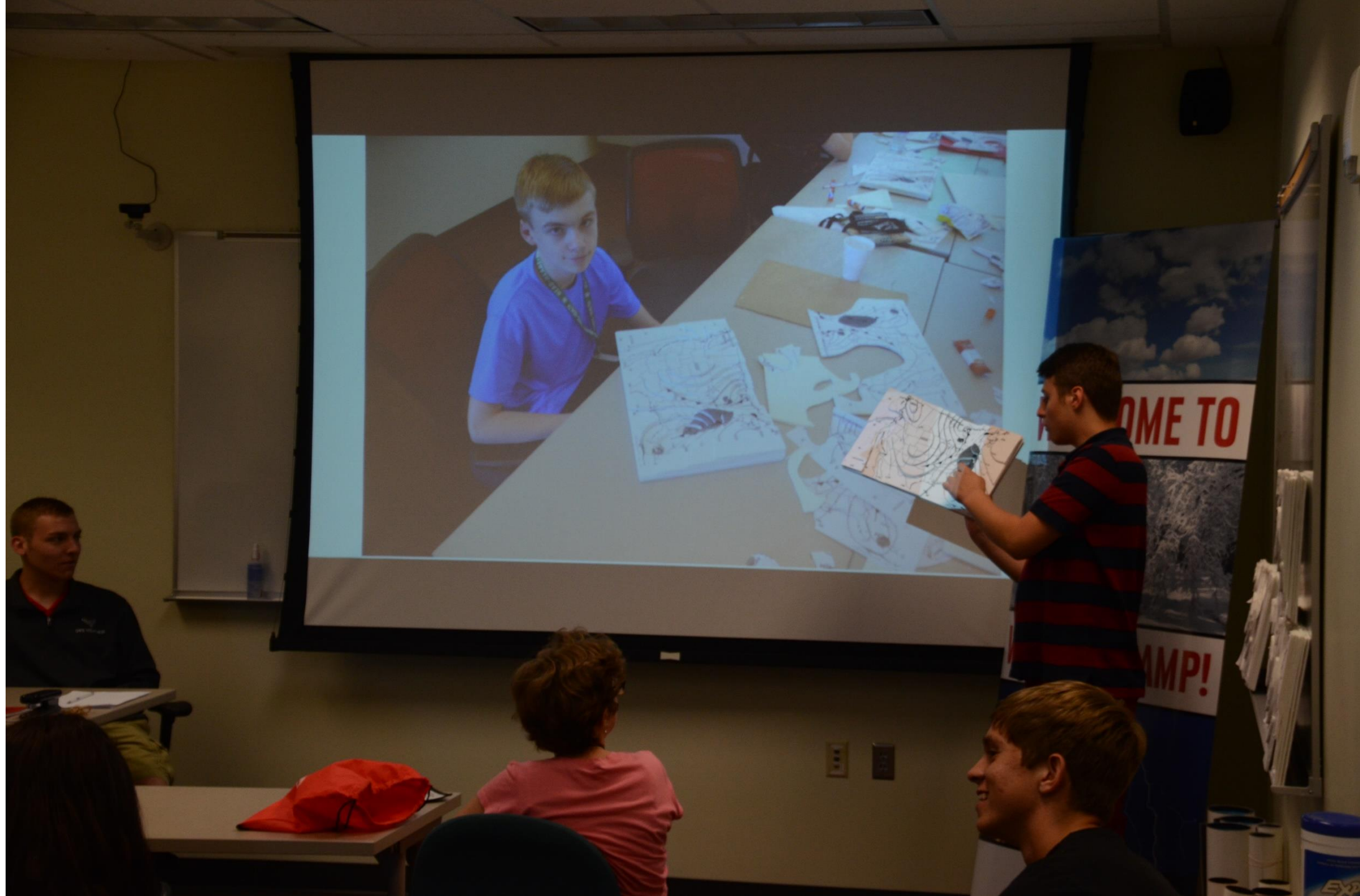
South-4,762
 dead-358
 injury-8492

Emilia
 Closed
 Top
 Hottest: 150°
 Black Car: 163
 Car













Flooding in DeWitt, NE



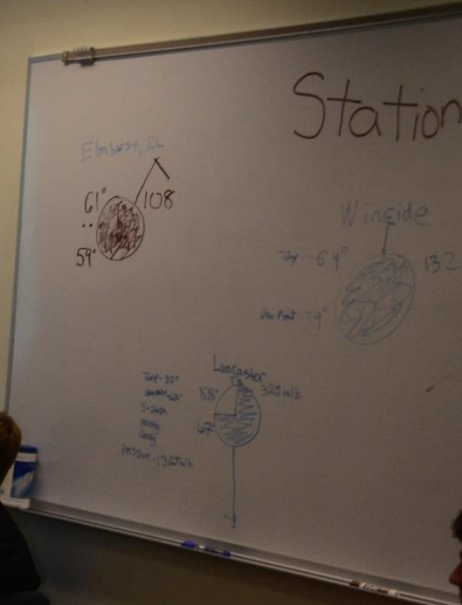
WELCOME TO

WEATHERCAMP!

School of Nat...



WELCOME TO
WEATHERCAMP!



Two presenters are seated at a desk on the left side of the room. One is a woman with long dark hair, and the other is a man in a dark polo shirt. They are positioned in front of a computer monitor and several water bottles.

A group of people, including several young boys and a few adults, are seated at long tables in the classroom, facing the front of the room. They appear to be listening to the presentation. One boy in the foreground is wearing a bright green hoodie. Another boy is wearing a white shirt. The room is dimly lit, with the primary light source being the projector screen.



Certificate of Accomplishment
presented to
Emily Caulder
in recognition of completion in
Weather and Climate Science
Big Red Summer Academic Camp
June 16-18, 2010

Certificate of Accomplishment
presented to
Cody Frederick
in recognition of completion in
Weather and Climate Science
Big Red Summer Academic Camp
June 16-18, 2010

Certificate of Accomplishment
presented to
Miles Allan
in recognition of completion in
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Certificate of Accomplishment
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Certificate of Accomplishment
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Kole Johnson
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Weather and Climate Science
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960-70 2000-2010
F1-1 39.52 12,455
F4-5 17 50
Gig Em
Emily's
proving
Nevada-7050
184-dead
3380-injury
South-4,762
dead-358
injury-849

School of N...
Resource



Certificate of Accomplishment
Presented to
Emily Caulder
Weather and Climate Science
Awarded by
Weather Wizard

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Emily Caulder
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910-70
FH 3938
F4.5 17
Big Ben
Study
Diversity
Norse-7050
134-200
3380-1000

School of
al Resou









THANK YOU to our Instructors, Maddy, Dalton and Sabrina!!!



2015 Big Red Summer Academic Camp **W E A T H E R S C I E N C E**

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Big Red Summer Academic Camp Participants Register

- Burr Hall Front Lobby

8:00 p.m. – 9:00 p.m.

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Memorial Stadium Tour

-Micro Climate Study

Lunch

Bessy Hall

-Meteorology Lab

-Research and Careers

Return to East Campus

Observing the weather and Climate

Return to Burr Hall

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East Campus Experience

Water Windmill Challenge

Lights Out

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