

Westminster College presents:
The Westminster STEM Academy

Check-in:

Date: Sunday, June 14, Between 6pm and 9pm; Pizza will be provided

Check-in Location: Backer (Outside The Dining Hall)

Individuals Present: Joseph Nieves; Alyssa Busken; Megan Fitzpatrick;
Jim Concannon; David Schmidt

Room Assignments: Students will be staying in Weigle Hall

NOTE: Wireless Access Available; Please Bring your own personal toiletries and pillows; traveling off campus is not permitted.

Monday, June 15, 2015

7:00-9:00 Breakfast

9:30 Transportation to Prairie Fork; Meet at 9:15 on dining hall patio.

10:00 -2:30 Prairie Ecology at Prairie Fork; Amber Edwards; Jim Concannon;
David Schmidt; Alyssa Busken; Megan Fitzpatrick
Sack Lunch is Provided

2:30-3:00 Transportation back to Westminster Hall

3:00 - 4:30 Biology Lab Prep Time with Jane Kenney Hunt

CSC 239 Ever wonder how genetic diseases are diagnosed or passed within a family?

4:30-6:00 Dinner at the Dining Hall

6:00-8:30 Do good without harm presented by Chris Halsey.

Coulter Learn how to make substances such as nylon and aspirin
Atrium while learning about green chemistry.

8:30-10:00 Optional: In JCI and HAC Ping Pong, Pool, Basketball, Soccer

10:30 Attendance Check and Lights Out

Tuesday, June 16, 2015

7:00-9:00 Breakfast

9:15-12:00 Ever wonder how genetic diseases are diagnosed or passed within a family?

CSC 239 presented by Jane Kenney-Hunt and Jeff Mayne

12:00-1:00 Lunch at the Dining Hall

1:30-4:30 Off the Grid: Exploring Alternative Energies presented by Marsha Tyson

CSC 126 Do you think you could live "off the grid?"
Explore the science behind the energy!

4:30-5:45 Dinner at the Dining Hall

6:00-8:30 Power Up with Electrochemistry! presented by Ron Frederick

CSC 329 How can we get electricity from chemical reactions?

CSC 338 How can electricity contribute to a chemical reaction?

8:30-10:00 Optional: In JCI and HAC Ping Pong, Pool, Basketball, Soccer

10:30 Attendance Check and Lights Out

Wednesday, June 17, 2015

7:00-9:00 Breakfast

9:15-12:00 Anatomy and Physiology presented by Dawn Holliday.

CSC 345 Reconstruct knee, shoulder, and elbow joints;
What are the physiological effects of alcohol and caffeine?

12:00-1:00 Lunch at the Dinning Hall

1:30-4:30 3, 2, 1 - Blast Off! Presented by 3, 2, 1 - Blast Off! Presented by Patrick Brown

CSC 126 Students will build rockets out of 2-liter bottles
using air pressure for fuel to investigate engineering design.

4:30-5:45 Dinner at the Dinning Hall

6:00 - 8:30 Drugs: Discovery and Design presented by Bernie Hansert

CSC 340 How to "kill" bacteria without harming the human.

8:30-10:00 Optional: In JCI and HAC Ping Pong, Pool, Basketball, Soccer

10:30 Attendance Check and Lights Out

Thursday, June 18, 2015

7:00-9:00 Breakfast

9:15-12:00 The rock stars of science presented by David Schmidt

Coulter Learn about fossil organisms and how they are used to interpret past life.

Atrium Engage in a project to learn how paleontologists use the scientific method.

12:00-1:00 Lunch at the Dinning Hall

1:30-4:30 From Asian carp to feral pigs to the West Nile virus presented by Irene Unger

Coulter Invasive species grow and reproduce quickly, spread aggressively,

Atrium How fast can invasive species spread?

4:30-5:45 Dinner at the Dinning Hall

6:00 - 8:30 Having fun with physics presented by Laura Stumpe

CSC 142 Hitting the Bullseye with Projectiles.

8:30-10:00 Optional: In JCI and HAC Ping Pong, Pool, Basketball, Soccer

10:30 Attendance Check and Lights Out

Friday, June 19, 2015

7:00-9:00 Breakfast and Check-out

Please pick students up in the same area as registration between 8:30-9:00.