

**Wichita Summer Workshop ■ Middle School Track**

**Tuesday, June 26, 2018**

8:00 a.m. **Registration and light breakfast**

8:30 a.m. **Welcome and Introductions** - Sharon Thielen & Erin Rios

8:45 a.m. **Explore Corn** -Blake Smith & Jed Heath

9:45 a.m. Break

10:00 a.m. **Fermentation in a Bag & Ethanol-Corn Mash & Distillation** - Brian Nelson & Brent Conner

Noon **Lunch**

12:45 p.m. **Decoding DNA-Modeling Protein Synthesis** - James Burk

1:15 p.m. **Genetically Modified Information** - Blake Smith & Jed Heath

1:45 p.m. **Starts with Soil: An Investigation of Soil and Its Properties** -Anna Lukert & Brian Nelson

2:45 p.m. Break

2:55 p.m. **The Art of Lab Work-Pipetting Skills Development** - Brent Conner

3:45 p.m. **Growing Degree Days** -Blake Smith

4:45 p.m. **Hotel Check-in** - Holiday Inn Express ([10750 W Hampton Lakes St, Maize, KS 67101](https://www.bing.com/local?lid=YN873x1582684556296493931&id=YN873x1582684556296493931&q=Holiday+Inn+Express+Wichita+Northwest+Maize+K-96&name=Holiday+Inn+Express+Wichita+Northwest+Maize+K-96&cp=37.7578125%7e-97.4653396606445&ppois=37.7578125_-97.4653396606445_Holiday+Inn+Express+Wichita+Northwest+Maize+K-96))

5:30 p.m. **Farm Visit** - McCurry Brothers Farm (11811 N. 215th West, Sedgwick, KS 67135)

 **Field Activities
 -**Corn Production
 -Yield Prediction
 -Scouting

6:30 p.m. **Reception**

7:00 p.m. **Farm Dinner**

**Wednesday, June 27, 2018**

7:30 a.m. **Doors Open**

8:00 a.m. **Starts with Soil: An Investigation of Soil and Its Properties** -Anna Lukert & Brian Nelson

9:00 a.m. **DDG Nutrient Testing** -Brent Conner

9:30 a.m. **Break**

9:45 a.m. **Ethanol Expert** - Thane Combs

10:15 a.m. **Ethanol-Corn Mash and Distillation** - Brian Nelson & Brent Conner

11:30 a.m. **Break**

11:45 a.m. **Bus to Ethanol Plant** (box lunch on bus)

1:00 p.m. **Ethanol Plant Tour** -Kansas Ethanol LLC. (1630 Avenue Q, Lyons, KS 67554)

3:30 p.m. **Bus to School**

 -Q&A
 -Evaluation

4:30 p.m. **Depart and Teacher Workshop Kit**