**DETOUR**

**Team Name:** OKEECC 2 / DEQ 2

**Exhibit or Area of Zoo:** Kirkpatrick Vet Hospital

**List the observation, or discrepant event, that prompted your curiosity.**

The different exam rooms and being able to look down into them.

**What SCIENCE questions or prompts come to mind?**

Identify 2-3 vaccinations that certain listed animals need (lion, elephant, etc.)

**What TECHNOLOGY questions or prompts come to mind?**

Identify 2-3 technology devices used for each exam room.

**What ENGINEERING questions or prompts come to mind?**

How would you have to modify your equipment depending on the animal?

**What MATH questions or prompts come to mind?**

Can cc’s be converted into mL? If so, what is the equivalency? (knowing weight/dosage amount)

**DETOUR**

**Team Name:** OKEECC 2 / DEQ 2

**Exhibit or Area of Zoo:** Cougar in Oklahoma Trails

**List the observation, or discrepant event, that prompted your curiosity.**

The cougar is place right next to its main food supple. So majestic.

**What SCIENCE questions or prompts come to mind?**

Is a cougar a herbivore, carnivore or omnivore?

**What TECHNOLOGY questions or prompts come to mind?**

What device do we use that is the same as a cougar’s eyesight while hunting at night?

**What ENGINEERING questions or prompts come to mind?**

What is the purpose of a cougar’s whiskers?

Engineer a toy to help enrich a captive cougar’s life within its habitat.

**What MATH questions or prompts come to mind?**

What percent of a cougar’s weight is its tail?

What is the range of a cougar’s habitat?

**DETOUR**

**Team Name:** OKEECC 2 / DEQ 2

**Exhibit or Area of Zoo:** Black Rhino

**List the observation, or discrepant event, that prompted your curiosity.**

There was a baby in one pen.

**What SCIENCE questions or prompts come to mind?**

What are similarity and differences of rhinos on different continents?

**What TECHNOLOGY questions or prompts come to mind?**

If creating a virtual safari, where would you place black rhinos?

**What ENGINEERING questions or prompts come to mind?**

How can the design and function of the rhino’s neck and head influence us to design a tool to help humans?

**What MATH questions or prompts come to mind?**

How long is a rhino’s gestation period?

What is the definition of solitary.

**DETOUR**

**Team Name:** OKEECC 2 / DEQ 2

**Exhibit or Area of Zoo:** Herpetarium

**List the observation, or discrepant event, that prompted your curiosity.**

Observed chameleon shedding; eyes rotate in all directions.

**What SCIENCE questions or prompts come to mind?**

What kind of habitat do they live in?

**What TECHNOLOGY questions or prompts come to mind?**

Using a tablet, can you mimic a chameleon’s eye with panoramic view?

**What ENGINEERING questions or prompts come to mind?**

Could you design a device that replicates a chameleon’s tongue?

**What MATH questions or prompts come to mind?**

What patterns do chameleons exhibit with their coloration?