**DETOUR**

**Team Name:** Zoo 3

**Exhibit or Area of Zoo:** Gorilla House

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

Skulls of orangutan, human, gorilla, chimp

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

What differences are their between the great apes?

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

What living conditions are needed (or are common) for each species?

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

What tooth/bite pressure or tooth structure is used for eating?

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

Measure cranium size in the 4 skulls.

**DETOUR**

**Team Name:** Zoo 3

**Exhibit or Area of Zoo:** OK trails

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

Why are there bands on birds?

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

What info can you gather from a banded bird?

What prompts migration?

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

Map the birds sighted at locations throughout the year.

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

How do bands not affect the flight of birds?

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

Using miles, calculate average number of miles each bird flew in a day.

**DETOUR**

**Team Name:** Zoo 3

**Exhibit or Area of Zoo:** tree fence post by fish/duck feeding station outside Big Cats exhibit

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

Why are the posts cut at an angle?

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

What information could be gathered from the age of the tree?

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

How/where do they get fence posts?

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

Why do they use trees for the fences?

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

How old is the tree?

**DETOUR**

**Team Name:** Zoo 3

**Exhibit or Area of Zoo:** Pachyderm building

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

Why are there so few rhinos and elephants?

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

What kind of habitat is needed?

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

Tracking populations, monitoring animal health

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

How is food procured?

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

How much food needed daily?

How long is trunk?

**DETOUR**

**Team Name:** Zoo 3

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

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

Got to ride shuttle to hospital

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

Why does zoo need a hospital?

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

What tests are needed?

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

What is piece of medical equipment used? describe

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

How many parasites can be test for?

**DETOUR**

**Team Name:** Zoo 2

**Exhibit or Area of Zoo:** Bats

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

Why are bats important to Oklahoma?

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

Why are bats in a dark building?

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

How do bats use echolocation?

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

What is the wing to body ratio?

How does this affect things like lift and thrust?

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

How many insects do bats eat in a day? A month? A year?