**DETOUR**

**Team Name:** OGE 2 (Red Team)

**Exhibit or Area of Zoo:** Joan Kirkpatrick Animal Hospital

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

New animal hospital, observe animal techs work.

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

What kind of items could get into the exhibit that could hurt the animals?

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

Use technology for photo mosaic. Photo mosaic of animals that died.

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

Create an exhibit that is people proof for animal protection.

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

Measure diameter of an animal’s windpipe and see what objects the animal could swallow. Amount of trash calculated that has been collected in the zoo.

**DETOUR**

**Team Name:** OGE 2 (Red Team)

**Exhibit or Area of Zoo:** Ape Exhibit

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

Apes are similar to humans.

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

How are the species between the ape family similar and different? Compare and contrast ape skeleton to human skeleton.

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

Researching organizations to help save the gorilla or ape species.

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

What tools could we use to be as strong as a gorilla?

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

Ratios of bones to other apes. Ratios of how many human can play tug of war with an ape.

**DETOUR**

**Team Name:** OGE 2 (Red Team)

**Exhibit or Area of Zoo:** African Painted Dogs

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

All the pups fighting for treats. Noticed camouflage patterns differ on different parts of the body. What is the role of their large ears?

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

How do they establish pecking order? Is this similar or dissimilar to domestic dogs and how?

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

Research different animal ears and how that helps them in environment. Experiment with different ear shape and effects.

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

Developing enrichment activities for the dogs. Researching impacts different decibels of volume.

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

Calculate energy and food need differences for pups versus adults.

**DETOUR**

**Team Name:** OGE 2 (Red Team)

**Exhibit or Area of Zoo:** Zebra

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

Stripes on zebra, parent relationship. Where do they travel in the wild?

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

What have three separate species evolved? Do they have different adaptations?

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

Use technological devices to track travel and research migration.

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

Experiment with different stripe pattern to see which one camouflages the best.

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

Measure width of stripes of one zebra and compare/contrast to another zebra. Measure hands high (length) of a zebra.