**Problem 1 | Cat, Parrot and Bag of Seed**

**Issue:**

A man needs to get a cat, parrot and bag of seed across the river in a boat.

**Insights and/or Barriers:**

• The boat can only hold the man and one object at a time.

• If he takes the seed, the cat will eat the parrot. If he takes the cat, the parrot will eat the seed.

**Assumptions:**

• The man has two oars.

• The man has rope.

• The man is able to think logically.

• The man cares for these objects.

• The river is either to wide or deep to cross otherwise.

**Objective:**

The man must find a way to bring all three objects from point A to point B, without loosing any of them.

**Concept 1:**

Step 1: The man will empty the bag of seed in the bottom of the boat.

Step 2: The man will blow up empty bag and turn it into a flotation device.

Step 3: The man will attach floatation device to the boat.

Step 4: The man will place the cat on the flotation device.

Step 4: The man will tie one end of a string to the parrot.

Step 5: The man will tie the other end of a string to the boat.

Step 6: The man will take the cat, parrot and seed from point A to point B.

**Concept 2:**

Step 1: The man and the parrot will go from point A to point B.

Step 2: The man will return to point A.

Step 3: The man and the cat will go from point A to point B.

Step 4: The man and the parrot will return to point A.

Step 5: The man and the bag of seed will go from point A to point B.

Step 6: Repeat Step 2.

Step 7: Repeat Step 1.

Both concepts are viable, however there is less risk for the animals in Concept 2.