Before generating your BR, gather background information on hummingbirds (their movements, feeding patterns, and ecology) and how hummingbirds relate to flowers more generally **Testable** Do hummingbirds visit Lobelia cardinalis (Cardinal flower) or Monarda didyma (red bee balm) more Question frequently when both are equally present? Independent Dependent Cardinal flower and red beebalm Number of hummingbird visits variable presence and abundance variable Cardinal flower and red beebalm overlap in High metabolic rate and low flowering time and vary in sucrose energy reserves in concentration with cardinal flower averaging hummingbirds requires 5% and red beebalm 20% sucrose as frequent feeding Literature measured in the Konza Prairie (Jabar, 2004) (Johnson et al, 1975) connecting variables Ruby-throated hummingbirds visit cardinal flowers and red beebalm in the Konza Prairie Observation (Sally and Bruff, 2003) Cardinal flower and red beebalm grow in similar 32 ruby-throated hummingbirds abundance and flower at the same time in the were reported in a 2014-2016 bird Biocore Prairie. census of the Biocore Prairie Few other red-colored, nectar producing species are abundant near the Biocore Prairie **Assumption** High metabolic rate and low energy reserves in hummingbirds Knowledge gap requires frequent feeding (Johnson et al, 1975) We hypothesize a greater number of hummingbird visits to red beebalm **Hypothesis** than cardinal flower in the Biocore Prairie over a 3 day period.