



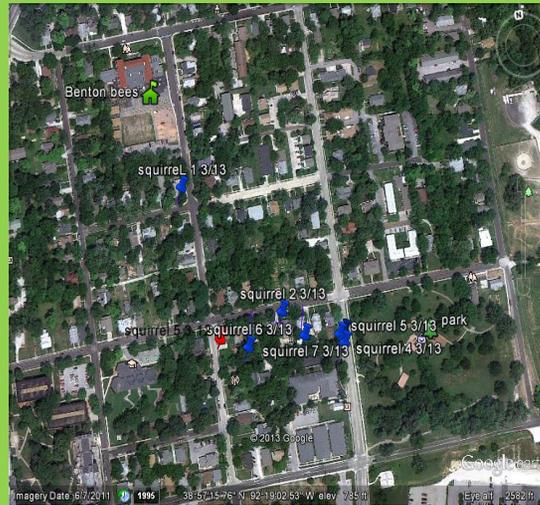
# GPS: GOING PLACES WITH SQUIRRELS

Ms. Greear's 5<sup>th</sup> grade class, Benton Elementary School



## Introduction

- In Missouri, there are two different species of Squirrels- Fox and Eastern Grey.
- We are trying to figure out if squirrels are closer to safe zones, than danger zones.
- **Research Question-** Are squirrels closer to safe zones or danger zones?
- **Hypothesis-** Squirrels will be closer to safe zones, rather than danger zones.



Google Earth map showing where we saw squirrels.



Using GPS we recorded Squirrel locations and recorded them in our science notebooks.

## Methods

- We used the GPS to find coordinates to where the squirrels were.
- We also walked to the park and used binoculars to locate squirrels.
- We wrote down the coordinates (latitude and longitude) in our science notebooks.
- We also used Google Earth to plot squirrel location and to measure distance to safe zone and danger zone.

## Results

- We observed 8 squirrels.
- The types of squirrels observed were the fox squirrel and the eastern grey squirrel.
- The average feet that the squirrels were observed away from a safe zone was 16.847 ft.
- The average feet that the squirrels were observed away from a hazard zone was 57.47 ft.

Squirrel number	Safe Zone (Feet)	Danger Zone (Feet)
1	24.7	34.7
2	52.2	36.6
3	7.14	5.18
4	8.4	9.46
5	4.27	29.4
6	14.9	145
7	6.32	142
Average-	16.85	57.47



Fox Squirrel



Eastern Grey Squirrel



Threats and safe zone around Thomas Benton Elementary.



## Conclusion

- The data shows that squirrels are closer to safe zones than they are danger zones.
- We saw more Eastern Grey squirrels than Fox squirrels.
- Most of the squirrels were near or in trees, showing that they prefer the safety of the safe zones.
- We saw more squirrel nests in the park than around streets and neighborhoods.

## Acknowledgements

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