

---

---

# Data Integration: Monarch Migration

— Brandy A. Bermudez —  
SCED 548

---

---

# Data Sources (click links)

## Monarch Maps

[First Adult Sighting](#)

[Any Adult Sighting](#)

[Monarch Migration Map](#)

## Maps of Average Temperatures in North America

[January](#)

[April](#)

[July](#)

[October](#)

---

# Lesson Enhancement

The data provided to students would help to enhance the unit by helping students see the correlation between the seasonal temperatures in North America and the Monarch butterfly migration pattern.

By using this data, I would be able to seamlessly move from the Monarch life cycle unit to the next about seasons and weather. The students would have a foundation on which to make observations and ask questions about weather patterns in our world.



# Using Data in the Classroom

It is my belief that using data in the classroom can help to enhance a unit or lesson by providing students with opportunities to observe the correlation between two topics that would otherwise be thought of as separate from one another.

In the case of Monarch migration maps and maps of the yearly temperature changes in North America, young students are able to visually observe patterns and make inferences based on those observations. These inferences will lead to more questions and a deeper understanding of how weather affects how we live, learn, and play.

# Interdisciplinary Context

## Integration Across Content Areas

---

The data sources provided to students are able to be easily integrated across STEM content areas. Students are exposed to life science, earth science, patterns, and cause and effect. Mathematics can also be integrated if students have already been exposed to analyzing and graphing data.

# References

Gladebeck, M. (n.d.). Karten der Erde. Retrieved June 17, 2019, from  
<http://www.mappedplanet.com/>

Welcome to Journey North. (n.d.). Retrieved June 17, 2019, from  
<https://journeynorth.org/>

