**Modeling Template Grade** 9 **Standard** B 8.2

**Title of investigation:** Classification of evolutionary relationships

**Authors:**  Connie Everts, Rick Roberts, and Yvette Wolter

**Intro - activity**

Draw a generic map of the inside of a Walmart and label the various departments.

**Leading Question(s): Engagement – (a story?)**

What would be the different tabs/ pathways to find a specific Taylor Swift CD at the Walmart.com website?

**Summary of the investigation:**

Students should recognize that there is a narrowing sequence in their attempts to find their desired item in much the same way that organisms are classified from phylum on down to the most specific or species.

**Science Standard:**

B 8.2 Explain how organisms are classified and named based on their evolutionary relationships into taxonomic categories.

**Equipment used:**

*Computer Lab* with internet access

**Procedure:**

White board their steps taken to find their CD. Describe the logic behind their progression.

**Follow-up Questions:**

Why do you feel this organization makes sense?

What happens to the number of items in each category as you open more window tabs?

If you have an unknown artist that is next to Taylor Swift's CD, what information would you have about that CD's contents?

How and why do scientists classify organisms?