[redacted]

Harry Potter and the Dichotomous Key

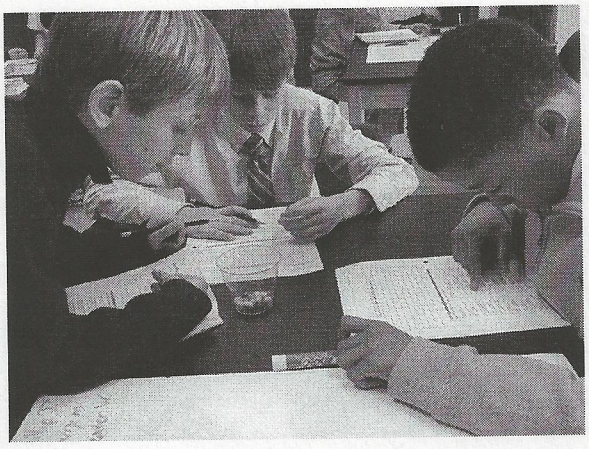
Procedure: We divided into groups and went to Mr. Miller's table to get a cup of jelly beans. We then identified the beans using a Bertie Bott's Every Flavor Beans dichotomous key. We wrote down the flavors of jelly beans on a piece of paper. Some jelly beans we could not identify using the key, so we classified them as "unidentified." We then tasted all the beans to make sure what flavors they were. We then recorded all the flavors we had, including the formerly unidentified ones.

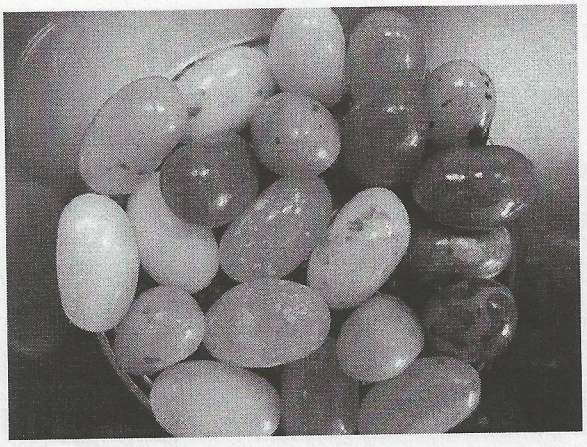
Observations:

Table 1. Jelly Bean Flavors Determined by our Group

dirt	by key and taste
grass	by key and taste
toasted marshmallow	by key and taste
banana	by key and taste
cinnamon	by key and taste
buttered popcorn	by key and taste
vomit	by key and taste
booger	by key and taste
black pepper	by key and taste
lemon drop	by key and taste
soap	by taste only
earthworm	by taste only
sausage	by taste only

Here are some photos from our group:





Conclusion:

1. We used the Bertie Bott's Every Flavor Beans dichotomous key to determine which flavor beans we had in our cup.
2. We tasted the jelly beans to determine if we were correct and to identify the ones not on the key.
3. In the living world, we classify plants and animals.
4. In the nonliving world, we classify natural and man-made objects. Non-living natural objects we classify include rocks, minerals, clouds, and celestial bodies. Non-living man-made objects we classify include different types of plastic, cloth, and metals.
5. We want to classify things in order to understand and appreciate the similarities and differences among things.