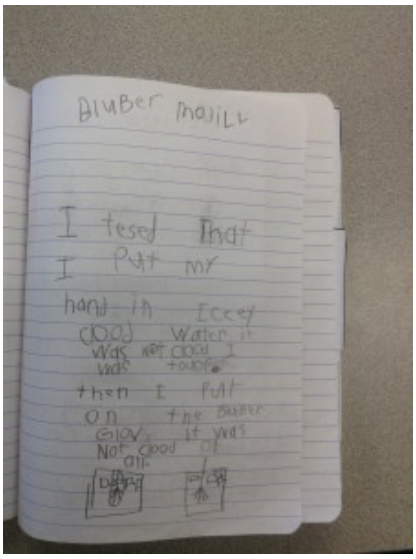
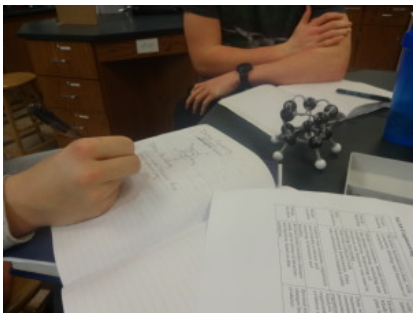
Student Work in the Practice

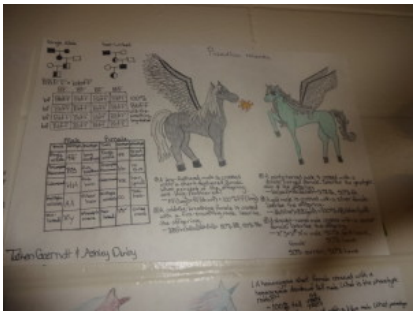


First grade student uses a notebook to make sense of a class model of whale blubber.

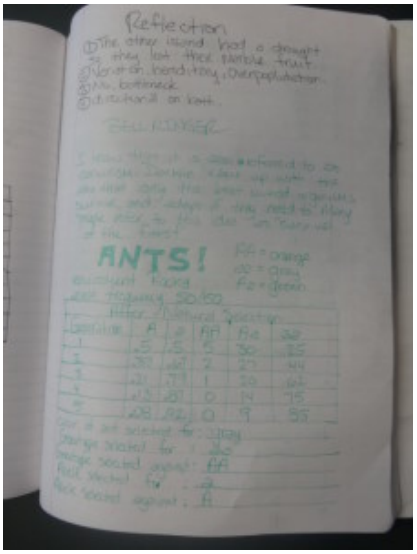


High school students explore network covalents. Students were asked to plan, build, test and revise a model of a network covalent that would be able to hold the most force. We then tested them with a bridge breaker.

5th Grade students use a dough scale model to explore Earth's Place in the Universe. Students each modeled one chromatid, with a pair modeling a chromosome. They did the process normally, and then were challenged to show what would happen with a nondisjunction in Meiosis I vs. Meiosis II, resulting in Down Syndrome.



High school students design a fictional species, and decide on traits for their species. They showed a male and female version, coded different traits, made pedigrees to show different types of inheritance, and also showed dihybrid crosses with two different traits.



High school students explore natural selection through a [computer model](http://www.mhhe.com/biosci/genbio/virtual_labs/BL_12/BL_12.html). (http://www.mhhe.com/biosci/genbio/virtual_labs/BL_12/BL_12.html). Students collected data and looked for changes in allele frequencies.

First graders observed and explored plants in the classroom and then drew a model of it to deepen their understanding of structure, function and plant parts.