

Modeling Cups Observation Handout

Directions: Watch an except from a lesson about modeling rolling cups.

1. Record evidence of how the students engaged in the mathematical practice of modeling.
Record evidence of how the teacher supported and facilitated student modeling.

Students	Teacher

2. Rate the lesson on the science practices continuum.

2. Developing and using models	Students do not create or use models.	Students create or use models. The models focus on <i>describing</i> natural phenomena rather than predicting or explaining the natural world. Students <i>do not evaluate</i> the merits and limitations of the model.	Students create or use models focused on <i>predicting or explaining</i> the natural world. Students <i>do not evaluate</i> the merits and limitations of the model.	Students create or use models focused on <i>predicting or explaining</i> the natural world. Students <i>do evaluate</i> the merits and limitations of the model.
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3. Are any other science practices addressed?

4. What advice would you give to the teacher about how to design the next lesson to support student needs?