

MHS 9th Physics Program

Assessment

Resources

Instruction

Communication

Assessment Goals

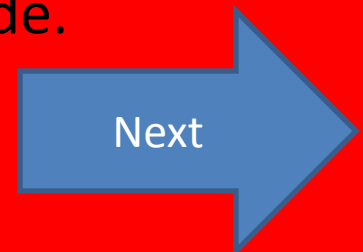
- Assessment promotes continued and constructed learning
- Assessment offers students aspects of choice
- Assessment modes are varied
- Assessments balance teacher formative/summative feedback
- Assessments engage students in critical reflective thinking
- Assessments are presented over short intervals

Summative Unit – 80%

Summative Choice – 20%

No one assignment will exceed 25% of the MP grade.

Formative – non-graded feedback



Sample of Possible Student Assessments

Summative Unit – 80%

- Unit Assessments (2/MP)
 - Optional reassessment
- Science Journal (2/MP)
 - Minimum of 80% required for reassessment
- Model Project (1/MP)
 - Culminating Individual Project

Summative Choice – 20%

- Student Choice Tasks (3/MP)
- Designated Model Artifacts (3/MP)

Formative – non-graded feedback

- 1 or 2 per week
 - Progress on science journal
 - Formative quiz

No one assignment will exceed 25% of the MP grade.

* This represents an approximate assessment plan for each MP.



Main Slide

Resources

- After-school help
 - T,W,Th
- Study Hall
 - Physics Group Binders
- Summer Math Application and Transfer Skills
- [Science Department Website](#)
- [Jason Sullivan](#)
- [MHS Guidance](#)



Main Slide

Models vs Problems

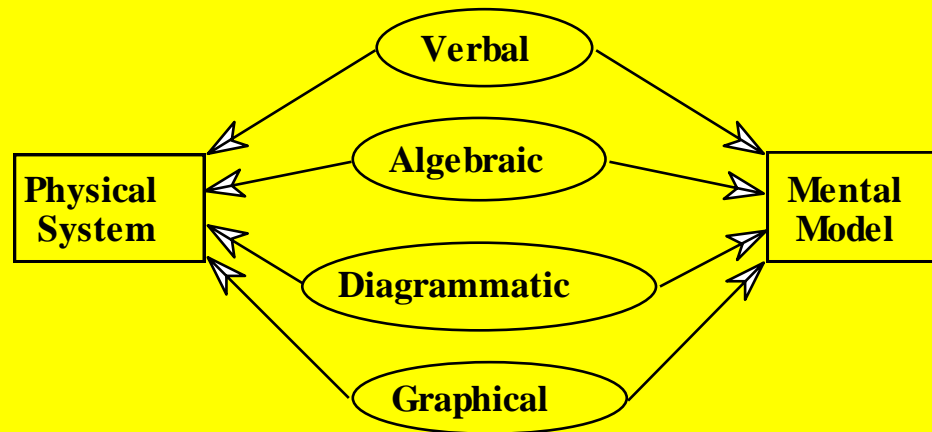
- The problem with problem-solving
 - Students come to see problems and their answers as the units of knowledge.
 - Students fail to see common elements in novel problems.
“But we never did a problem like this!”
- Models as basic units of knowledge
 - A few basic models are used again and again with only minor modifications.
 - Students identify or create a model and make inferences from the model to produce a solution.



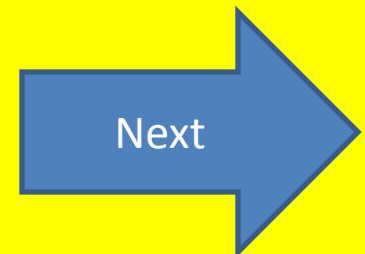
Next

What Do We Mean by Model?

Symbolic Representations



- with explicit statements of the relationships between these representations



Collaboration & Training

- Summer Assessment Development
- Teacher College Partnerships
- S.O.A.R Program
- Physical Science Modeling Workshop for grades 2-8
- NGSS Team



Main Slide

Communication

- Digital Resources
- Online Collaborations
- Email Blasts
- Physics Night – Parent Forum
 - April 30th, May 6th, May 12th, May 14th, June 17th
- Waiver Acceptance Letter
- Physics Student Advisory Group



Main Slide