October 14 - 18, 2019

MON. OCT. 14TH

8th Grade Science
Kinetic and Potential Energy

Standards
MS-PS3-1 Construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object. Next Generation Science Standards Science
MS-PS3-2 Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system. Next Generation Science Standards Science

Objective
Students will understand and demonstrate how an object can have different potential energy due to it's position. Students will also understand how kinetic energy is correlated with mass and speed

Critical Questions
1. What is the difference between potential and kinetic energy?
2. What causes potential energy to change into kinetic energy and vice versa?

Bellringer
Watch Video on potential energy
https://youtu.be/Jnj8mc04r9E

Engage
1. Finish kinetic energy calculations and graph worksheet
2. Potential Energy
http://bit.ly/2IJW57z

Assessment

Notes

TUE. OCT. 15TH

8th Grade Science
Kinetic and Potential Energy

Standards
MS-PS3-1 Construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object. Next Generation Science Standards Science
MS-PS3-2 Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system. Next Generation Science Standards Science

Objective
Students will understand and demonstrate how an object can have different potential energy due to it's position. Students will also understand how kinetic energy is correlated with mass and speed

Critical Questions
1. What is the difference between potential and kinetic energy?
2. What causes potential energy to change into kinetic energy and vice versa?

Bellringer
Finish kinetic and/or potential energy calculation worksheets

Engage
1. Get in groups and discuss mousetrap cars
2. Began building mousetrap cars

Assessment

Notes

WED. OCT. 16TH

8th Grade Science
Kinetic and Potential Energy

Standards
MS-PS3-1 Construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object. Next Generation Science Standards Science
MS-PS3-2 Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system. Next Generation Science Standards Science

Objective
Students will understand and demonstrate how an object can have different potential energy due to it's position. Students will also understand how kinetic energy is correlated with mass and speed

Critical Questions
1. What is the difference between potential and kinetic energy?
2. What causes potential energy to change into kinetic energy and vice versa?

Bellringer
Watch mousetrap car video
https://youtu.be/f0GMsfBmWcc

Engage
Continue building mousetrap car

Assessment

Notes

THU. OCT. 17TH

8th Grade Science
Kinetic and Potential Energy

Standards
MS-PS3-1 Construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object. Next Generation Science Standards Science
MS-PS3-2 Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system. Next Generation Science Standards Science

Objective
Students will understand and demonstrate how an object can have different potential energy due to it's position. Students will also understand how kinetic energy is correlated with mass and speed

Critical Questions
1. What is the difference between potential and kinetic energy?
2. What causes potential energy to change into kinetic energy and vice versa?

Bellringer
Quiz on Kinetic and Potential Energy

Engage
Continue building mousetrap car

Assessment

Notes

FRI. OCT. 18TH

8th Grade Science
No School