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Review of Previous Lesson

- State as many Vocabulary words and Learning Objectives that you remember from the last lesson as you can.
- Now complete the content learning objectives.
- Remember to grade yourself from 0 – 3.

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Mechanical Energy & Conservation of Energy

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Vocabulary

Content:	Start	End
energy		
mechanical		
potential		
isolated/closed		
conservation of energy		
Joule		

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Vocabulary

Language:	Start	End
define		
identify		
state		
recognise		
transformations		
rearrange		
calculate		
derive		
various		
scenarios		
definition		

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Learning Objectives

Content:	Start	End
Define mechanical energy and identify potential and kinetic energy as types of mechanical energy.		
State the conservation of energy law and apply it to isolated systems.		
Recognise transformations of energy from one type to another and be able to state what types of energy are being transformed.		
State when the law of conservation of energy does not apply.		

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Learning Objectives

Language:	Start	End
Define, identify and recognise verbally and in writing.		

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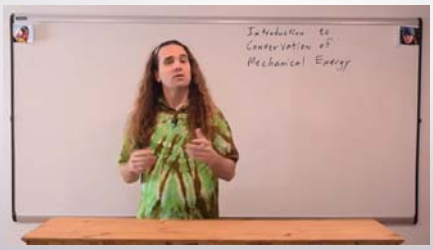
Introduction to Conservation of Mechanical Energy with Demonstrations

Flipping Physics

https://www.youtube.com/watch?v=AnuLWoZX7-Q



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Conservation of energy

Khan Academy

https://www.khanacademy.org/science/physics/work-and-energy/work-and-energy-tutorial/v/conservation-of-energy

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Problems and Solutions:

- Mechanical Energy:
  - http://www.dummies.com/education/science/physics/mechanical-energy-in-physics-problems/
  - http://formulas.tutorvista.com/physics/mechanical-energy-formula.html
  - https://byjus.com/mechanical-energy-formula
- Conservation of Energy:
  - http://www.physicsclassroom.com/class/energy/Lesson-2/Application-and-Practice-Questions
  - http://www.physicstutorials.org/home/energy-work-power/conservation-of-energy
  - https://assignment.essayshark.com/blog/law-of-conservation-of-energy-problems-with-solutions/
  - http://www.sparknotes.com/physics/workenergypower/conservationofenergy/problems_1.html
  - https://www.sophia.org/concepts/the-law-of-conservation-of-energy

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