

	Monday	Tuesday	Wednesday	Thursday
Unit/ Lesson Big Ideas	Unit 3: Energy and Society Energy can be transformed from one type to another. Energy transformation systems often involve thermal energy losses and are never 100% efficient.	Unit 3: Energy and Society Energy can be transformed from one type to another. Energy transformation systems often involve thermal energy losses and are never 100% efficient.	Unit 3: Energy and Society Energy can be transformed from one type to another. Energy transformation systems often involve thermal energy losses and are never 100% efficient.	Unit 3: Energy and Society Energy can be transformed from one type to another. Energy transformation systems often involve thermal energy losses and are never 100% efficient.
Overall Expectations	D3. Demonstrate an understanding of work, efficiency, power, gravitational potential energy, kinetic energy, nuclear energy, and thermal energy and its transfer (heat).	D3. Demonstrate an understanding of work, efficiency, power, gravitational potential energy, kinetic energy, nuclear energy, and thermal energy and its transfer (heat).	D3. Demonstrate an understanding of work, efficiency, power, gravitational potential energy, kinetic energy, nuclear energy, and thermal energy and its transfer (heat).	D3. Demonstrate an understanding of work, efficiency, power, gravitational potential energy, kinetic energy, nuclear energy, and thermal energy and its transfer (heat).
Specific Expectations	D3.3 explain the following concepts, giving examples of each, and identify their related units: thermal energy, kinetic energy, gravitational potential energy, heat, specific heat capacity, specific latent heat, power, and efficiency	D2.1 use appropriate terminology related to energy transformations, including, but not limited to: mechanical energy, gravitational potential energy, kinetic energy, work, power, fission, fusion, heat, heat capacity, temperature, and latent heat [C]	D2.3 use the law of conservation of energy to solve problems in simple situations involving work, gravitational potential energy, kinetic energy, and thermal energy and its transfer (heat) [AI]	D2.1 use appropriate terminology related to energy transformations, including, but not limited to: mechanical energy, gravitational potential energy, kinetic energy, work, power, fission, fusion, heat, heat capacity, temperature, and latent heat [C]
Learning Goals	- The principle of thermal energy exchange.	- changes of state. - Latent heat of fusion and vaporization.	Review on energy	Test 1 on energy
Success Criteria				
Instructional Strategies	lecture on the principle of thermal heat exchange. Examples will be thoroughly analyzed and solved.	Lecture on states of matter, changes of state, heating graph and cooling graph. Latent heat of fusion and vaporization. Related examples will be analyzed and solved.	In this class we will do a thorough review on chapter 5.	Students will write a test on Energy [Chapter 5]
Assessment & Evaluation	Class Work [AFL]	Class Work [AFL]	Class Work [AFL]	Test [AOL]
Homework / Class Work	Questions of page 286- 287 textbook	Practice questions 1,2,3 on page 293 textbook.	questions 1-8 on page 287 textbook.	Practice questions 1,2,3 on page 293 textbook.
Materials & Resources	Nelson Physics 11 [Textbook]	Nelson Physics 11 [Textbook]	Nelson Physics 11 [Textbook]	Nelson Physics 11 [Textbook]

