

**Vermont Middle Level Course Map: Theme-Based Model**

Grade 6—Course 1	Grade 7—Course 2	Grade 8—Course 3
<b>Life Science</b>	<b>Life Science</b>	<b>Life Science</b>
MS-LS 2-2	MS-LS 2-1	MS-LS 3-1
MS-LS 2-3 } Ecosystems/	MS-LS 2-4 } Ecosystems/	MS-LS 3-2 } Genetic Variation
MS-LS 3-3 } Human Impact	MS-PS 1-3 } Resources/	MS-ESS 3-4
	MS-LS 2-5 * } Human Impacts	MS-LS 4-4
MS-LS 1-1		MS-LS 4-5 } Natural
MS-LS 1-2	MS-ETS 1-1	MS-LS 4-6 } Selection
MS-LS 1-3 } Cells/Body	MS-ETS 1-2 } Engineering*	
MS-LS 1-4 } Systems	MS-ETS 1-3	MS-LS 4-1 } Fossils/Extinction
MS-LS 1-4 } Survival	MS-ETS 1-4	MS-LS 4-2 } Embryology
MS-LS 1-5		MS-LS 4-3 } Embryology
MS-LS 1-8 } Behavior		
	MS-LS 1-6 } Energy Flow	MS-ETS 1-1
	MS-LS 1-7 }	MS-ETS 1-2 } Engineering*
	MS-LS 1-8 }	MS-ETS 1-3
		MS-ETS 1-4
<b>Physical Science</b>	<b>Physical Science</b>	<b>Physical Science</b>
MS-PS 3-5		
MS-PS 2-1 * } Motion	MS-PS 1-1 } Chemical	MS-PS 2-3 } Energy
MS-PS 2-2 } Motion	MS-PS 1-2 } and/in	MS-PS 2-4 } Energy
	MS-PS 1-5 } Systems	MS-PS 2-5 } and
MS-ETS 1-1		MS-PS 3-1 } Forces
MS-ETS 1-2	MS-PS 1-4 } Thermal Energy	MS-PS 3-2 }
MS-ETS 1-3 } Engineering*	MS-PS 1-6 * }	MS-PS 4-1 }
MS-ETS 1-4	MS-ETS 1-1	MS-PS 4-2 } Waves
	MS-ETS 1-2 } Engineering*	MS-PS 4-3 }
MS-PS 3-3	MS-ETS 1-3	
MS-PS 3-4 } Energy Transfer	MS-ETS 1-4	
MS-PS 3-5		
<b>Earth/Space Science</b>	<b>Earth/Space Science</b>	<b>Earth/Space Science</b>
MS-ESS 2-1	MS-ESS 1-1	MS-ESS 1-4
MS-ESS 2-4	MS-ESS 1-2 } Earth/Universe	MS-ESS 1-3 } Fossils/
MS-ESS 2-5		MS-ESS 3-2 } Earth Systems
MS-ESS 2-6 } Weather/Climate	MS-ESS 1-2	MS-ESS 3-3
MS-ESS 3-1	MS-ESS 2-2 } Scale/ (math)	MS-ETS 1-1
MS-ESS 3-5	MS-ESS 2-3 } Changing Earth	MS-ETS 1-2 } Engineering*
		MS-ETS 1-3
		MS-ETS 1-4

\*Indicates Engineering connections