

Indicate the content strand for your comments:	Select a grade level:	Please leave your comment:	work or reside in Missouri currently?	Relationship to Missouri schools?	Zip code?
Matter and Energy	Grade 1	We should be using the Next Generation Science Standards.			
Matter and Energy	Grade 1	We should be using the Next Generation Science Standards			
Matter and Energy	Grade 1	The Next Generation Science Standards are better. 10,000 educators vetted those standards....how can 6 educators (no matter how great they are) be able to do a better job? Go with the NGSS Science Standards.			
Matter and Energy	Grade 1	We should be using the Next Generation Science Standards			
Matter and Energy	Grade 1	We should be using the Next Generation Science Standards			
Matter and Energy	Grade 1	We should be using the Next Generation Science Standards, as they represent the most well-vetted and rigorous expectations to prepare our students to compete in a global economy. Diminishing our existing standards through the committee work of HB1490 will result in a limited science educational experience for our students and will close doors for our students regarding collegiate admissions and future employment opportunities.			
Matter and Energy	Grade 2	We should be using the Next Generation Science Standards			

		We should be using the Next Generation Science Standards, as they represent the most well-vetted and rigorous expectations to prepare our students to compete in a global economy. Diminishing our existing standards through the committee work of HB1490 will result in a limited science educational experience for our students and will close doors for our students regarding collegiate admissions and future employment opportunities.			
Matter and Energy	Grade 2				
Matter and Energy	Grade 2	We should be using the Next Generation Science Standards.			
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Matter and Energy	Grade 2	The Next Generation Science Standards are better. 10,000 educators vetted those standards....how can 6 educators (no matter how great they are) be able to do a better job? Go with the NGSS Science Standards.	Yes	Educator	65203
Matter and Energy	Grade 3	We should be using the Next Generation Science Standards			
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Matter and Energy	Grade 3	The Next Generation Science Standards are better. 10,000 educators vetted those standards....how can 6 educators (no matter how great they are) be able to do a better job? Go with the NGSS Science Standards.
Matter and Energy	Grade 4	We should be using the Next Generation Science Standards
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The current Missouri Grade Level Expectations separate the practices of science from the content in the strands. The result is the separation of practices and content in instruction and assessment. In addition, each of the strands presents a discrete set of facts for students to master that can be learned by memorization. The GLE's do not require the application of core ideas in science or for students to be actively engaged in the practices of science. While technology is included in the GLE's, engineering is not included. I believe that the Next Generations Science Standards reflect current research on student learning and learning in science and should be included in the Missouri Science Learning Standards.

Matter and Energy

Grade 4

Matter and Energy

Grade 4

We should be using the Next generation Science Standards.

As currently written, the GLES focus on isolated pieces of knowledge, rather than 'big ideas'; additionally, they separate content knowledge from science process/practices. The former encourages assessment at low-levels (e.g., recall of facts) rather than application and critical thinking at the synthesis level. The latter doesn't make sense, as it is through the practices of science that content knowledge is developed. It encourages assessment of these two things separately. As a whole, the GLES do not provide for a coherent learning progression across the grade levels (see AAAS Atlas of Science Literacy). In summary, the GLES do not reflect the most current knowledge in the fields of education, cognitive science, and science education. Adopting the NGSS, which does this, would be in the best interest of Missouri students.

Matter and Energy	Grade 4				
Matter and Energy	Grade 5	We should be using the Next Generation Science Standards			
Matter and Energy	Grade 5	Will MO be moving to NGSS?	Yes	Educator	63601

We need to serve the people of Missouri well by using the framework of Next Generation Science Standards to educate our students. We need to prepare them for a world in which they can compete at national and international levels as well as just locally. Doing so does not mean there is a loss of control over our schools. The goal of a good educational system is to provide the opportunity to develop good citizenship, career preparation, "academic" achievement and personal fulfillment. A good STEM education is key to this.

Matter and Energy Grade 5

Matter and Energy Grade 5

We should be using the Next Generation Science Standards

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Matter and Energy Grade 5

Matter and Energy Grade 5

I support the Next Generation Science Standards

The Next Generation Science Standards are better. 10,000 educators vetted those standards....how can 6 educators (no matter how great they are) be able to do a better job? Go with the NGSS Science Standards.

Matter and Energy Grade 5

Matter and Energy	Grade 6	We should be using the Next Generation Science Standards, as they represent the most well-vetted and rigorous expectations to prepare our students to compete in a global economy. Diminishing our existing standards through the committee work of HB1490 will result in a limited science educational experience for our students and will close doors for our students regarding collegiate admissions and future employment opportunities.
Matter and Energy	Grade 6	The Next Generation Science Standards are better. 10,000 educators vetted those standards....how can 6 educators (no matter how great they are) be able to do a better job? Go with the NGSS Science Standards.
Matter and Energy	Grade 6	We should be using the Next Generation Science Standards
Matter and Energy	Grade 7	We should be using the Next Generation Science Standards

The list of GLEs in this too lengthy and yet it leaves out the important issues relevant to today. The NGSS standards do a much better job connecting these concepts to real world applications and ask the students to go beyond just learning low level "factoids". This is also an area where engineering can be integrated into a good instructional unit. The GLEs do not include any connections with Engineering. If we are going to prepare 21st Century learners we must get beyond just asking students to memorize content. The performance expectations in the NGSS challenge students to apply the content and therefore achieve a higher level of understanding.

Matter and Energy Grade 7

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Matter and Energy Grade 7

I support the Next Generation Science Standards

Matter and Energy Grade 7

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Matter and Energy Grade 7

Matter and Energy	Grade 8	We should only be using the Next Generation Science Standards.			
Matter and Energy	Grade 8	The Next Generation Science Standards are better. 10,000 educators vetted those standards....how can 6 educators (no matter how great they are) be able to do a better job? Go with the NGSS Science Standards.			
Matter and Energy	Grade 8	This is a good process. Painful, but important. Having teachers (I'm a high school teacher) and parents (I'm a parent) at the table together is good. For curriculum or anything else, one size does not fit all. The more input and responsibility states, local school districts, and families take the better.	Yes	Educator	65203
Matter and Energy	Grade 8	Understanding of the concepts of the Kinetic Theory of Matter would assist the students in a deeper understanding of several other concepts in both the Physical and Chemical properties of matter. The Kinetic Theory of Matter isn't emphasized until the 8th grade. With science being a grade span assessment spanning over 1000 plus days, it might serve our students better to put more emphasis on the Kinetic Theory of Matter in the 6th and 7th grades.	Yes	Educator	63901
Matter and Energy	Grade 8	We should be using the Next Generation Science Standards			

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Matter and Energy	High School	2.C.a is labeled as chemistry 2, but 2.A.b and 2.A.d are not. Those concepts are so closely related they should all be chem 2 or all be chem 1.			
Matter and Energy	High School	We should be using the Next Generation Science Standards			
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Matter and Energy	High School	Missouri needs to adopt the Next Generation Science Standards.			
Matter and Energy	High School	1.A.b--This concept encompasses every possible course. Please consider wording it to be course-specific. For example, Physics 2 "Identify pure substances by their physical and chemical properties (i.e., conductivity, density, specific heat.)" Chem 1 "Identify pure substances by their physical and chemical properties (i.e., color, density, pH, melting point, boiling point, solubility, phase at room temperature, chemical reactivity)"	Yes	Educator	65084

		<p>Since the state is obviously diving onto the textbook driven instruction bandwagon, will the state also be selecting our textbooks for the districts. The topics are generally fine, but appear to have been lifted directly from a textbook. I was also wondering if the questions are based on the American Chemical Society Exam or some other authority. As to Physics, many of the topics are general physical science and are not physics topics which would be taught to senior students. Physics is a math class. I hope that physics is not turned into a freshman physical science class. I certainly hope that senior physics will remain the rigorous course it should be and not gutted.</p>	Yes	Educator	63673
Matter and Energy	High School	We should be using the Next Generation Science Standards			
Matter and Energy	High School	Missouri needs to adopt the Next Generation Science Standards.			
Matter and Energy	High School	We need to keep the standards that pertain to molarity and molality, which seem to be absent from NGSS.			
Matter and Energy	High School	We should be using the Next Generation Science Standards, as they represent the most well-vetted and rigorous expectations to prepare our students to compete in a global economy. Diminishing our existing standards through the committee work of HB1490 will result in a limited science educational experience for our students and will close doors for our students regarding collegiate admissions and future employment opportunities.			

