

Wisconsin K-12 Energy Education Program (KEEP)

Energy and Your School Activity Guide Standards Correlations

Common Core & Next Generation Science Standards

Activity	CC ELA	CC Math		NGSS			
		Practice Std.	Content Std.	Standard	Practice (SEP)	Disciplinary Core Ideas (DCI)	Crosscutting Concepts (CCC)
Classroom Energy Flow K-4	L.K-5.4, L.4.6, L.5.6, RI.K-5.4, RI.2-4.3, RL.K.4, RL.3.4, RL.4.4			4-PS3-2	Planning and Carrying Out Investigations	PS3.A: Definitions of Energy	Energy and Matter
Cost of Computers 5-8	RST.6-8.3, RST.6-8.4, RST.6-8.7, RST.6-8.9, WHST.5-8.7	MP1, MP2, MP6	5.MD1, 7.NS3, N-Q.1	MS-ETS1-1	Asking Questions and Defining Problems, Using Mathematics and Computational Thinking	ETS1.A: Defining and Delimiting Engineering Problems	Influence of Science, Engineering, and Technology on Society and the Natural World
Demanding School Electric Bills 9-12, (5-8)	RST.9-12.1, RST.9-12.3, RST.9-12.4, RST.9-12.7, SL.9-12.4	MP3	S-IC6, S-ID1	HS-ESS3-2	Engaging in Argument from Evidence	ESS3.A: Natural Resources	



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Design A Cool School 5-8, (9-12)	SL.5-8 1.1, SL. 6-8. 4, W.6-8.2			HS-ESS3-2, HS-ESS3-4, HS-ETS1-2	Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence	ESS3.A: Natural Resources, ESS3.C: Human Impacts on Earth Systems, ETS1.C: Optimizing the Design Solution	Influence of Science, Engineering, and Technology on Society and the Natural World, Stability and Change
Electric Charades K-4	L.3-5.3, L.4-5.4, L.4-5.6, RI.K-5.4, RI.2-4.3, RI.3-4.7, RL.K.4, RL.3-4.4, SL.K-2.1, SL.K.2, SL.K.3, SL.K-1.5, SL.K-1.6, SL.1.6, SL.3-5.3, W.K.2, W.K.3			4-PS3-2	Planning and Carrying Out Investigations	PS3.A: Definitions of Energy	Energy and Matter
Energy Action Plan 9-12, (6-8)	SL.9-12.1, W.9-12.7	MP2, MP3	6.SP.5	HS-ESS3-4	Constructing Explanations and Designing Solutions	ESS3.C: Human Impacts on Earth Systems	Stability and Change

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Energy Investigations for School Buildings 9-12, (5-8)	SL.9-12.1b, SL.9-12.2, WHST.9-12.7, WHST.9-12.8, WHST.9-12.9	MP3	HSS.IC.B.6	HS-ETS1-2, HS-ESS3-2, HS-ESS3-4	Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence	ESS3.A: Natural Resources, ESS3.C: Human Impacts on Earth Systems, ETS1.C: Optimizing the Design Solution	Influence of Science, Engineering, and Technology on Society and the Natural World, Stability and Change
Is Your Classroom Energy Efficient? K-12	L.K-5.4, L.4-5.6, RI.K-5.4, RI.3.1, RI.3-4.3, RI.3-4.7, RL.K.4, RL.3.4, SL.K-5.3, SL.K-1.2, SL.K-2.1, SL.K-3.6, SL.3-5.4	MP2, MP3	K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c, K.CC.5, K.CC.6, K.CC.7, K.OA.1, 1.OA.1, 1.OA.2, 1.OA.5, 2.OA.2,	K-ESS3-3, 4-ESS3-1, 5-ESS3-1	Obtaining, Evaluating, and Communicating Information	ESS3.A: Natural Resources, ESS3.C: Human Impacts on Earth Systems, ETS1.B: Developing Possible Solutions	Cause and Effect, Science Addresses Questions About the Natural and Material World, Systems and System Models
Light and Your Load 9-12 (5-8)	RST.9-12.3, RST.9-12.4, RST.9-12.9, WHST.9-12.7	MP1, MP2, MP3, MP6	5.MD.1, 7.NS.3, N-Q.1, S-IC.6				

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		Practice Std.	Content Std.	Standard	Practice (SEP)	Disciplinary Core Ideas (DCI)	Crosscutting Concepts (CCC)
Light Savers K-4	L.K-5.4, L.3-5.3, L.4-5.6, RI.K-5.4, RI.1.6, RI.2-4.3, RI.3-5.1, RI.4.7, RI.2-5.10, RL.1.1, RL.K-1.4, RL.3-5.1, RL.3-4.4, RL.4.6, SL.K-2.1, SL.K.2, SL.K-5.3, SL.K-1.5, SL.K-5.6, SL.3-5.4, W.K-5.2		K.CC.1, K.CC.2, K.CC.4a, K.CC.5				
Pulling the Plug on Phantom Loads K-4	L.3-5.3, L.K-5.4, L.4-5.6, RI.3.1, RI.2-4.3, RI.K-5.4, RI.1.6, RI.4.7, RI.5.8, RL.K.4, RL.4-6.1, RL.3-4.4, SL.K-1.2, SL.K-3.3, SL.K-1.6, W.K-1.5, W.1-5.7	MP1		K-ESS3-3, 4-ESS3-1, 5-ESS3-1	Obtaining, Evaluating, and Communicating Information	ESS3.A: Natural Resources, ESS3.C: Human Impacts on Earth Systems	Cause and Effect, Systems and System Models

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School Appliance Inventory K-12	L.1-5.4, L.4.6, L.5.6, RI.K-5.4, RI.1.6, RI.3.1, RI.3-4.3, RI.4.7, RI.5.8, RL.K.4, RL.3-4.4, SL.K-1.2, SL.K-3.3, SL.1.6, W.K.4, W.K-1.5, W.2-5.7	MP1, MP4	K.CC.1, K.CC.2, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c, K.CC.5, 1.MD.4, 2.MD.10, 3.MD.3, 3.MD.4, 4.NF.6, 4.NF.7	3-5-ETS1-1, 5-ESS3-1	Asking Questions and Defining Problems, Obtaining, Evaluating, and Communicating	ESS3.C: Human Impacts on Earth Systems, ETS1.A: Defining and Delimiting Engineering Problems	Influence of Engineering, Technology, and Science on Society and the Natural World, Systems and System Models
Schools Savings 5-8, (9-12)	RI.6.4, RI.6.7, SL.5-8.1	MP1, MP6	7.NS.3				
Seeking Inhabitable Schools K-12	L.K-2.5, L.K-5.4, L.3-5.3, L.4-5.6, RI.K.10, RI.K-5.4, RI.1.1, RI.2-4.3, RI.2-5.7, RI.3-4.1, RI.3.5, RL.K.4, RL.K.9, RL.3-4.4, RL.4-5.7, SL.K-2.1, SL.K-1.2, SL.K-3.3, SL.K-1.5, SL.1.6, SL.3-5.2, W.K.2, W.K-1.5, W.K-2.8, W.3-5.7		2.MD.7	K-ESS2-2, K-ESS3-1	Developing and Using Models, Engaging in Argument from Evidence	ESS2.E: Biogeology, ESS3.A: Natural Resources, ESS3.C: Human Impacts on Earth Systems	Systems and System Models

Completed September 2015