DCI Arrangements (Updated 2022)

From Molecules to Organisms: Structures and Processesnumbers, and number systems. LS.1	a	Structure and Function LS.1.A
	b	Growth and Development of Organisms LS.1.B
	c	Organization for Matter and Energy Flow in Organisms LS.1.C
	d	Information Processing LS.1.D
Ecosystems: Interactions, Energy, and Dynamics LS.2	a	Interdependent Relationships in Ecosystems LS.2.A
	b	Cycles of Matter and Energy Transfer in Ecosystems LS.2.B
	c	Ecosystem Dynamics, Functioning, and Resilience LS.2.C
	d	Social Interactions and Group Behavior LS.2.D
Heredity: Inheritance and Variation of Traits LS.3	a	Inheritance of Traits LS.3.A
	b	Variation of Traits LS.3.B
Biological Evolution: Unity and Diversity LS.4	E	Evidence of Common Ancestry and Diversity LS.4.A
	a	Natural Selection LS.4.B
	b	Adaptation LS.4.C
	F	Biodiversity and Humans LS.4.D
Earth's Place in the Universe ESS.1	a	The Universe and Its Stars ESS.!.A
	b	Earth and the Solar System ESS.1.B
	c	The History of Planet Earth ESS.1.C
Earth's Systems ESS.2	a	Earth Materials and Systems ESS.2.A
		Plate Tectonics and Large-Scale System Interactions ESS.2.B

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	c The Roles of Water in Earth's Surface Processes ESS.2.C
	d Weather and Climate ESS.2.D
	e Biogeology ESS.2.E
Earth and Human Activity ESS.3	**a** Natural Resources ESS.3.A
	b Natural Hazards ESS.3.B
	c Human Impacts on Earth Systems ESS.3.C
	d Global Climate Change ESS.3.D
Matter and Its Interactions PS.1	**a** Structure and Properties of Matter PS.1.A
	b Chemical Reactions PS.1.B
	c Nuclear Processes PS.1.C
Motion and Stability: Forces and Interactions PS.2	**a** Forces and Motion PS.2.A
	b Types of Interactions PS.2.B
	c Stability and Instability in Physical Systems PS.2.C
Energy PS.3	**a** Definitions of Energy PS.3.A
	b Conservation of Energy and Energy Transfer PS.3.B
	c Relationship Between Energy and Forces PS.3.C
	d Energy in Chemical Processes and Everyday Life PS.3.D
Waves and Their Applications in Technologies for Information Transfer PS.4	**a** Wave Properties PS.4.A
	b Electromagnetic Radiation PS.4.B
	c Information Technologies and Instrumentation PS.4.C
Engineering Design ETS.1	**a** Defining and Delimiting an Engineering Problem ETS.1.A
	b Developing Possible Solutions ETS.1.B
	c Optimizing the Design Solution ETS.1.C