Next Generation Science Standards for Introduction to Recycling



Science & Engineering Practices



Disciplinary Core Idea



Crosscutting Concept

TZ.	4 et	O nd	Ord	4 th	=+h	C th
K	1st	2 nd	3rd	4th	5 th	6 th
K-ESS2 Earth's Systems	1-LS1 From Molecules	2-ESS2 Earth's Systems	3-LS4 Biological	4-ESS3 Earth and Human	5-ESS3 Earth and Human	MS-ESS3 Earth and
ESS3.C: Human Impacts	to Organisms:	Stability and Change	Evolution: Unity and	Activity	Activity	Human Activity
on Earth Systems	Structures and Processes	 Things may change 	Diversity	BANKS 18 24 19 19 19 19 19 19 19 19 19 19 19 19 19	egodienti	
Things that people do to	110003303	slowly or rapidly. (2-		ESS3.A: Natural	ESS3.C: Human Impacts	Asking Questions and
live comfortably can affect the world around them	Influence of Science,	ESS2-1)	LS2.C: Ecosystem	Resources	on Earth Systems	Defining Problems
the world around them	Engineering and	Influence of Engineering,	Dynamics, Functioning, and Resilience	 Energy and fuels that humans use are 	Human activities in agriculture, industry (5-	Asking questions Ask questions (MS-
V ECC2 Footh and Human	Technology on Society	Technology, and Science	When the	derived from natural	ESS3-1)	ESS3-5)
K-ESS3 Earth and Human	and the Natural World	on Society and the Natural World	environment	sources (4-ESS3-1)		2000 0)
Activity	 Every human-made product is designed 	 Developing and using 	changes	S Charles and Char	(S <u>44-77-0-3-10-3-2</u> 1	ESS3.C: Human Impacts
ESS3.A: Natural	(1-LS1-1)	technology has		Influence of Engineering,	2001 2017 11 11 11 11 11 11 11 11 11 11 11 11 1	on Earth Systems
Resources Humans use natural	(1.201.)	impacts on the natural	T	Technology, and Science	3-5-ETS1 Engineering	 Human activities have
resources for		world. (2-ESS2-1)	2 FCC2 F 1 V	on Society and the	Design	significantly
everything they do.	111 1 10 10 10 10 10 10 10 10 10 10		3-ESS3 Earth and Human	Natural WorldOver time, people's	WAS TRANSPORTED FOR THE PARTY OF THE PARTY O	altered(MS-ESS3-3)
(K-ESS3-1)	K-2 Engineering Design	0 DC4 M 1/4	Activity	needs and wants	Asking Questions and	
Interdependence of		2-PS1 Matter and its	Influence of Engineering,	change (4-ESS3-1)	Defining Problems	ESS3.D: Global Climate
Science, Engineering,	Asking Questions and	Interactions	Technology, and Science	Engineers improve	Asking questions	Change
and Technology	Defining Problems	PS1.B: Chemical	on Society and the	existing technologies		Human activities, such as
 People encounter 	Asking questions	Reactions	Natural World	(4-ESS3-2)		the release of greenhouse
questions about the	Ask questions based	Heating or cooling a	 Engineers improve 		Influence of Engineering,	gases from burning fossil
natural world every	on observations(s). (K–2-ETS1-1)	substance (2-PS1-4)	existing	(Technology, and Science on Society and the	fuels (MS-ESS3-5)
day. (K-ESS3-2)	(K-2-L101-1)	1.0	technologies (3- ESS3-1)	3-5-ETS1 Engineering	Natural World	Influence of Colones
Influence of Engineering, Technology, and Science		Influence of	2333-1)	Design	People's needs and	Influence of Science, Engineering, and
on Society and the	ETS1.A: Defining and	Engineering, Technology, and	96. Koo oo	2 50.6.	wants change over	Technology on Society and
Natural World	Delimiting Engineering	Science on Society and	\. 	Asking Questions and	time (3-5-ETS1-1)	the Natural World
People depend on	Problems	the Natural World	3-5-ETS1 Engineering	Defining Problems	Engineers improve	The uses of
various technologies in	A situation that people Want to change (K)	Every human-made	Design	Asking questions	existing	technologies(MS-
their lives (K-ESS3-2)	want to change (K- 2-ETS1-1)	product is designed (2-	,		technologies(3–5-ETS-	ESS3-3)
	221011)	PS1-2)	Asking Questions and		2)	
K-2 Engineering Design		() 	Defining Problems			
Asking Questions and		K-2 Engineering Design	Asking questions			MS-ETS1 Engineering
Defining Problems		K-2 Engineering Design				Design
Asking questions		Asking Questions and	122 200 200 2 2 200 100 100			
Ask questions based on		Defining Problems	Influence of Engineering,			Influence of Science,
observations (K-2-		Asking questions	Technology, and Science			Engineering, and
ETS1-1)		 Ask questions based on observations(K– 	on Society and the Natural World			Technology on Society
ETS1.A: Defining and		2-ETS1-1)	 People's needs and 			and the Natural World
Delimiting Engineering		market the second second	wants change over			 All human activity
Problems		ETS1.A: Defining and	time (3-5-ETS1-1)			draws on natural
 A situation that people 		Delimiting Engineering	Engineers improve			resources(MS- ETS1-1)
want to change(K-		Problems	existing			The uses of technologies
2-ETS1-1)		 A situation that people want to change(K– 	technologies(3-5-ETS-			and limitations on their
		2-ETS1-1)	2)			use(MS-ETS1-1)