

CREAMO ADDI STEAM EDUCATION PROGRAM 52-week curriculum

work book	Months	Themes	Weeks	Topics	Contents
Volume 1	3	ADDI Blocks 1	1	Getting to Know ADDI Blocks	Learn about the types and usage of ADDI blocks.
			2	The Speaker Block That Makes Sounds	Learn about the functionality and usage of the speaker block.
			3	Shining LED Blocks	Learn about the functionality and usage of the LED block.
			4	The Rotating Motor Block	Learn about the functionality and usage of the motor block.
	4	Spring	5	Sparkling Flowers	Explore the changes in seasons (spring) and create your own flower.
			6	My Favorite Animal Friends	Create a four-legged animal using the motor block.
			7	Rotating Trees	Create your own tree according to the seasons.
			8	Stylish Snails	Create a moving snail using the motor block.
Volume 2	5	Me and My Family	9	Happy Children's Day	Learn about Children's Day and create a moving number 5.
			10	Thrilling Amusement Parks	Create a spinning amusement ride.
			11	Introducing My Home	Create a house with a doorbell.
			12	Introducing Myself	Learn about yourself and create a model of yourself.
	6	My Neighbor-hood	13	Yay! Let's Go Hiking	Explore your neighborhood and create a green mountain using LED blocks.
			14	Shimmering Bridges	Create a sturdy bridge with friends.
			15	Beep! How Much Is It?	Create a sound-making cash register with friends.
			16	The Tallest Tower Ever	Create a moving tall tower with friends.
Volume 3	7	Summer	17	Drip Drop! It's Raining Hard	Create an umbrella that changes colors depending on the weather.
			18	What's in the Ocean?	Create a moving boat using the motor block.
			19	Buzz, Buzz! The Cicadas Are Singing	Create a sound-making cicada using the speaker block.

	8	Vehicles	20	Cool Fans	Create a rotating fan using switch and dial blocks.
			21	Vroom, Vroom! Cars	Explore transportation and create a moving car.
			22	Up, Up! Airplanes	reate an airplane using the motor block.
			23	Choo-Choo Trains	Create a connected train with friends.
			24	Working Vehicles on the Move!	Learn about working vehicles and create a bulldozer with friends.
Volume 4	9	ADDI Blocks 2	25	Number Blocks That Display Numbers	Learn about the functionality and usage of number blocks.
			26	Ironing Clothes	Create an iron using the number block.
			27	Letter Blocks That Display Letters	Learn about the functionality and usage of letter blocks.
			28	Waiting at the Bus Stop	Create a bus stop using the letter block.
	10	Autumn	29	Insects of Autumn	Explore the changes in seasons (autumn) and create a dragonfly.
			30	Scarecrows in Autumn Fields	Create a scarecrow by saving colors in the LED block.
			31	Let's Go Camping	Create camping items (a rotating gas burner) using the motor block.
			32	Colorful Autumn Landscapes	Create a maple tree by saving colors in the LED block.
Volume 5	11	Korea	33	Traditional Korean Musical Instruments	Learn about Korean traditional instruments and create the Taepyeongso.
			34	The Precious Four Gates of Seoul	Learn about our cultural heritage and create the four gates of Seoul.
			35	Let's Go to Jeju Island	Create Jeju Island with friends using saved colors in LED blocks.
			36	Gyeongju: A City of History	Create the stone pagoda of Bunhwangsa Temple with friends.
	12	Winter	37	Building a Snowman	Explore the changes in seasons (winter) and create a snowman using the motor connector blocks.
			38	Sliding on Sleds	Create a moving sled using the motor connector blocks.
			39	Animals That Hibernate in Winter	Create a moving snake using letter blocks.
			40	Creating a Christmas Tree	Create a Christmas tree by saving colors in the LED block.
Volume	1	Energy	41	Wind Turbines Spinning Around	Create a wind turbine using the motor connector blocks.

6		Around Us	42	Splashing Hydropower Generators	Create a water turbine using the motor connector blocks.
			43	Bright Solar Energy Panels	Create solar panels and storage using the LED block.
			44	Building an Energy City	Create an energy city unique to your class with friends.
	2	The Future	45	Traveling Through Space	Explore space and create a space vehicle.
			46	Creating My Own Robot	Create your own robot using letter blocks.
			47	Building the House of the Future	Create a flying house using the motor connector blocks.
			48	What Could This Be?	Explore the future and create a traditional lantern as a future object.
	3	Creativity with Friends	49	Free Creation 1	Create whatever you want freely.
			50	Free Creation 2	Create whatever you want freely.
			51	Free Creation 3	Create whatever you want with friends.
			52	Free Creation 4	Create whatever you want with friends.