

Please read this first to help you successfully use the Science Sequence Guide. Thank you!

This is a suggested sequencing guide for teaching Kindergarten Science. These Units were aligned with the EL Module science topics where appropriate. Teachers can make copies of the sequence guide and modify it to meet the instructional needs in your classroom.

The lesson timing and number of lessons per week are a suggestion. You can modify timing to work for your students and schedule.

For Kindergarten, we prioritized (bolded) the two explorations for each lesson. If you have enough time in your schedule, you can include the additional activities for your students. If you are short on time, you can eliminate the additional activities for your students.

CCSD teachers created slide decks to accompany each lesson. As those are completed, they are being linked to the sequence guide. We welcome your feedback on the slide decks.

EL Module	Module 1 Toys and Play					
Q1	Domain	Core Idea	HMH Unit	HMH Lesson	Investigation	Suggested Time
Week 1 (3)						
Week 2 (5)	Routines and Procedures					
Week 3 (4)	ETS	Engineering Design (ETS1)	Unit 1 Engineering Design Process	Lesson 1 Using a Design Process	Engage: Can You Explain It?	30 min
					Exploration 1 Engineer It—Explore a Problem Hands-On Activity	30 min
					Exploration 2 Engineer It—Solve a Problem Hands-On Activity	30 min
					Elaborate FUNomenal Story—A Bigger Bubble	30 min
Week 4 (5)	PS	Motion and Stability: Forces and Interactions (PS2)	Unit 5 Pushes and Pulls	Lesson 1 All about Motion	Evaluate Can You Explain It?	30 min
Week 5 (4.5)					Engage Can You Explain It?	30 min
					Exploration 1 Push or Pull Hands-On Activity	30 min
					Exploration 2 Change Motion Hands-On Activity	30 min
Week 6 (5)					Elaborate FUNomenal Story— Mia and Maya	30 min
				Lesson 2 Change the Way Things Move	Evaluate Can You Explain It?	30 min
Week 7 (5)					Engage Can You Explain It?	30 min
					Exploration 1 Roll a Ball Hands-On Activity	30 min
					Exploration 2 Engineer It—Design a Track Hands-On Activity	60 min [2 ½ hour segments]
Week 8 (4.5)					Elaborate FUNomenal Story— Goal!	30 min
					Evaluate Can You Explain It?	30 min
Week 9 (5)				Assessment	Unit 5 Assessment	15 min

EL Module	Module 2 Weather Wonders					
Q2 (Days)	Domain	Core Idea	HMH Unit	HMH Lesson	Investigation	Suggested Time
Week 1 (5)	ESS	Earth's Systems (ESS2)	Unit 4 Weather		Engage: Can You Explain It?	30 min
Week 2 (4)					Exploration 1 Test the Sun's Heat Hands-On Activity	30 min
Week 3 (4.5)					Exploration 2 Engineer It—Plan and Build Shade Hands-On Activity	60 min [2 ½ hour segments]
Week 4 (4.5)					Elaborate FUNomenal Story—A Bigger Bubble	30 min
Week 5 (5)				Lesson 1 Protection from the Sun	Evaluate Can You Explain It?	30 min
Week 6 (5)					Engage Can You Explain It?	30 min
Week 7 (3)					Exploration 1 Measure Temperature Hands-On Activity	30 min
Week 8 (5)					Exploration 2 Observe Patterns in Weather Hands-On Activity	30 min
Week 9 (5)					Elaborate FUNomenal Story— Whatever the Weather	30 min
					Evaluate Can You Explain It?	30 min
					Engage Can You Explain It?	30 min
					Exploration 1 Explore Weather Reports Hands-On Activity	30 min
					Exploration 2 Prepare for Severe Weather Hands-On Activity	30 min
					Elaborate FUNomenal Story— Be Prepared!	30 min
					Evaluate Can You Explain It?	30 min
				Lesson 2 Weather Patterns		
				Lesson 3 Prepare for Weather		
				Assessment	Unit 4 Assessment	15 min

EL Module	Module 3: Trees are Alive					
Q3	Domain	Core Idea	HMH Unit	HMH Lesson	Investigation	Suggested Time
Week 1 (5)	LS	Molecules to Organisms: Structures and Processes (LS1)	Unit 2 Plants and Animals		Engage: Can You Explain It?	30 min
Week 2 (5)					Exploration 1 Explore Plants and Water Hands-On Activity	30 min
					Exploration 2 Plants and Sunlight Hands-On Activity	30 min
					Elaborate FUNominal Story— A Plant for Raja	30 min
Week 3 (4.5)				Lesson 1 What Plants Need	Evaluate Can You Explain It?	30 min
Week 4 (4)					Engage Can You Explain It?	30 min
					Exploration 1 Explore People Needs Hands-On Activity	30 min
Week 5 (5)					Exploration 2 Make a Pill Bug Home Hands-On Activity	30 min
					Elaborate FUNominal Story— What's Going On in the Garden?	30 min
Week 6 (5)					Evaluate Can You Explain It?	30 min
					Engage Can You Explain It?	30 min
Week 7 (4.5)					Exploration 1 Match Animal Homes Hands-On Activity	30 min
					Exploration 2 Observe Where Plants Live Hands-On Activity	30 min
Week 8 (5)				Lesson 3 Where Plants and Animals Live	Elaborate FUNominal Story— The Cactus and the Lizard	30 min
Week 9 (4.5)				Assessment	Unit 2 Assessment	15 min

EL Module	Module 4: Enjoying and Appreciating Trees					
Q3	Domain	Core Idea	HMH Unit	HMH Lesson	Investigation	Suggested Time
Week 1 (4)	ESS	Earth and Human Activity (ESS3)	Unit 3 Resources in Environments	Lesson 1 Plants and Animals Make Changes	Engage: Can You Explain It?	30 min
Week 2 (5)					Exploration 1 Look at a Worm Home Hands-On Activity	30 min
Week 3 (5)					Exploration 2 Look at Plant Changes Hands-On Activity	30 min
Week 4 (5)					Exploration 3 Plan a Playground Hands-On Activity	30 min
Week 5 (5)					Exploration 4 Changes All Around (online via Ed)	15 min
Week 6 (5)					Exploration 5 Plant and Animal Changes (online via Ed)	15 min
Week 7 (4.5)					Exploration 6 Changes to the Environment (online via Ed)	15 min
Week 8 (4)					Elaborate FUNomenal Story— The Sparrows and the Squirrel	30 min
Week 9 (5)					Evaluate Can You Explain It?	30 min
					Engage Can You Explain It?	30 min
					Exploration 1 Match the Resource Hands-On Activity	30 min
					Exploration 2 Engineer It—Find Solutions for Trash Hands-On Activity	30 min
					Exploration 3 Harming Natural Resources	15 min
					Exploration 4 Reduce	15 min
					Exploration 5 Reuse and Recycle	15 min
					Elaborate FUNomenal Story— Trash to Treasure	30 min
					Evaluate Can You Explain It?	30 min
					Unit 3 Assessment	15 min