


# Standards: Science

## Ohio State Standards

## Next Generation Standards

Program Title (Grades Served)

Program Title (Grades Served)	Page #	Ohio State Standards									Next Generation Standards			
		Pre K through grade 12			Grades 9 through 12						Pre K through 12			
		Earth & Space Science	Physical Science	Life Science	Biology	Chemistry	Environmental Science	Physical Geology	Physical Science	Physics	Physical Science	Life Science	Earth & Space Science	Engineering Design
<b>Learning Labs</b>  at Union Terminal														
Be a Rock Star (2-6)	5	3 4 6									2 5		2 4	
Be a Space Ace (5-8)	5	5 7											5 6-8	5 6-8
Bee the Pollinator (1-3)	5			K 1 2 3							5	K 2 3 4	K	
Cave Dwellers (1-5)	5	3 4		1 2 3 4 5								K 2 3 4	2 4	
Dinosaur Discovery (1-5)	5			1 2 3 4 5								3	2 4	
My Rainforest Adventure (Pre K-K)	4			P K 1 2								K 2 3 4	K 3	
Seismic Investigations (4-8)	5	4 6 8											4 5 6-8	4 5 6-8
This Little Dino (Pre K-K)	4			K								3	2 4	
What's the (State of) Matter? (1-5)	5	1 2	1 3 4								1 2 4 5		2	
Will it Float? (Pre K-K)	4		PK								2			K 1 2
<b>Assemblies - At your location</b>														
Phenomenal Physics (4-12)	15		4 5 6 7 8						9-12	9-12	4 5 6 7 8			
<b>Exploration Stations - At your location</b>														
3 ... 2 ... 1 ... Blast off! (Pre K-K)	13	K	K								K		K	
Animal Identification: The Science of Skulls (4-8)	14			5								4 6 7 8		
Awesome Animal Adaptations (1-8)	14			1 2 3 4 5 7								1 2 3 4 6-8		
Bats (1-8)	14			1 2 3 4 5								1 2 3 4 5 6-8		
Chemistry in Your Hands (3-7)	14		3 4 6 7								5 6 7 8			
Coral: A Colorful Community (Pre K-3)	14	P	K	P K 1 2 3								K 1 2 3	K	
Digging for Dinosaurs (1-4)	14			1 2 4								1 2 3 4	2	
Evolution of Diversity (3-8)	14	8		4 8								3 4 6-8	4 6-8	
Experimenting With Physical Science (3-6)	14		3 4 5 6								3 4 5 6			3-5
Exploring Nano Science (4-8)	14		6 7								5 6 7 8		5	
Forces of Nature (1-4)	15	1 2 4											1 2 3 4	
Forensics: The Science of Crime (5-8)	15			8								6-8		
Geology Rocks (3-7)	15	3 4 6									5		4 5 6-8	
Impact of Inventions (2-6)	16											5		K-2
Incredible Insects (1-5)	15			1 2 3 4 5								1 2 3 4	6-8	
Superheroes of STEMville (5-12)	15		5 6						9-12	9-12	6-8 9-12			6-8 9-12
The Reasons for the Seasons (1-5)	15	1 5	1 2								5	1 2 3 4	1 5	
Transportation Transformations (3-6)	17												4 6	3-5
Uncovering Egypt (4-8)	17												2	
Walking City (3-8)	17												6-8	

The Exploration Station brought hands on activities that were exciting, yet built on science principles. It made students ask, "How did it do that?" Which is right where we want them to be.

— Brittany Embry, school staff, 2018

We come every year, and the students love it!

— Samantha DiMario, teacher, 2018

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continued

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		Earth & Space Science	Physical Science	Life Science	Biology	Chemistry	Environmental Science	Physical Geology	Physical Science	Physics	Physical Science	Life Science	Earth & Space Science	Engineering Design
<b>Programs-on-Wheels - At your location</b>														
3 ... 2 ... 1 ... Blast off! (Pre K-K)	13	K	K								K		K	
A Cultural Experience (Pre K-K)	13		K											
ABC: Arches, Bridges & Construction (5-8)	14		8											3-5
Animal Identification: The Science of Skulls (4-8)	14			5								4 6-8		
Archaeology of Ohio's Native American Peoples (3-8)	16							4						
Awesome Animal Adaptations (1-8)	14			1 2 3 4 5 7								1 2 3 4 6-8		
Bats (1-8)	14			1 2 3 4 5								1 2 3 4 6-8		
Chemistry in Your Hands (3-7)	14		3 4 6 7								5 6 7 8			
Coral: A Colorful Community (Pre K-3)	14	P	K	PK 1 2 3								K 1 2 3	K	
Digging for Dinosaurs (1-4)	14			1 2 4								1 2 3 4	2	
Dino Dig (Pre K-K)	13		K	PK								K	K	
"Egg"-cellent Eggs (Pre K-K)	13	P	K	PK								K	K	
Engineer It! (1-4)	14		1 2 3 4								2 3 4			K-2 3-5
Evolution of Diversity (3-8)	14	8		4 8								3 4 6-8	4 6-8	
Experimenting with Physical Science (3-6)	14		3 4 5 6								3 4 5 6			3-5
Exploring Nano Science (4-8)	14		6 7								5 6 7 8		5	
Fantastic Flora (1-3)	15			1 2 3								1 2 3		
Fantastic Physics (7-12)	15		7 8			9-12			9-12	9-12	6-8 9-12			6-8
Forces of Nature (1-4)	15	1 2 4											1 2 3 4	
Forensics: The Science of Crime (5-8)	15			8								6-8		
From the Backyard to the Barnyard (Pre K-K)	13	P		PK								K	K	
Geology Rocks (3-7)	15	3 4 6									5		4 6-8	
How Does Your Garden Grow? (Pre K-K)	13	P	K	PK							K	K	K	
Impact of Inventions (2-6)	16											5		K-2
Incredible Insects (1-5)	15			1 2 3 4 5								1 2 3 4	6-8	
Interact with Chemistry (7-12)	15	7 8				9-12			9-12		6-8 9-12			
Our Five Senses (Pre K-K)	13		PK	PK								K		
Snug as a Bug (Pre K-K)	13	P	K	PK								K	K	
Stuffee, the Amazing Anatomy Doll (Pre K-K)	13			PK								K		
Superheroes of STEMville (5-12)	15		5 6						9-12	9-12	6-8 9-12			6-8 9-12
Tall Tails (Pre K-K)	13	P		PK								K	K	
The Best of Biology (7-12)	15			8	9-12							6-8 9-12		
The Reasons for the Seasons (1-5)	15	1 5	1 2								5	1 2 3 4	1 5	
Tour the Solar System (3-6)	15	5	3								5		5 6-8	
Transportation Transformations (3-6)	17												4 6-8	3-5
Uncovering Egypt (4-8)	17												2	
Walking City (3-8)	17												6-8	
Wild About Animals (Pre K-K)	13	P		PK								K	K	
Wonders of Weather (Pre K-K)	13	PK									K		K	
Your Heart, Your Blood, Your Health (2-6)	15			6								4 6-8		

The instructor was awesome. My students loved her!!

— Megan Neal, teacher, 2018

I am always happy with the programs that we have from Cincinnati Museum Center. It was great that you worked with us to bring a heart dissection to the library. The home school kids loved it!

— Amy Carroll, library programmer, 2017

# Standards: Social Studies

Program Title (Grades Served)

Page #

Ohio State Standards					National Standards				
Pre K through grade 8				Grades 9 through 12	Pre K through 12				
History	Geography	Government	Economics	American History	Economics	Geography	U.S. History	World History	

Learning Labs  at Union Terminal									
Children Around the World (K-3)	6	K 2	K 1 2 3					K-12	
Coming to America (3-8)	6	3 4	3 4 5	3 4	3 4 5			K-12	K-4
Let's All Celebrate (Pre K-K)	4	P K	P K					K-12	
Mind Your Money (1-3)	6			1 2	1 2 3			K-4	
Native American Lifestyles (1-4)	6	1 2 3 4	1 2 3 4	3	1 2 3			K-12	K-4
On the Trail with Lewis and Clark (4-8)	6	5 6 7 8	4 5 8		5 8			K-4 5-8	K-12
Uncovering Egypt (4-8)	6	6 7	6 7	6 7	6				5-12
Exploration Stations - At your location									
Evolution of Diversity (3-8)	14							K-12	
Impact of Inventions (2-6)	16	2 3 4	2 3 4 5 6	2	2 4 5 6			K-4 5-8	K-12
Lewis and Clark (3-8)	16	3 4 5 7 8	3 4 5 6 8	5 6 8	7 8			K-12	5-8
Liberty on the Border (3-8)	17	3 4 8	3 4 5 6 8	3 4 5 6 8	7 8			5-8	K-4 5-8
Lotions, Potions & Strange Notions (3-6)	17	3 4	3 4 5 6						K-4
The Underground Railroad (3-8)	17	3 4 5 7 8	3 4 5 6 8	3 4 8	5 6 7			K-12	K-4
Transportation Transformations (3-6)	17	3 4	3 4 5 6		3 5 6			K-4	K-12
Uncovering Egypt (4-8)	17	6 7	6 7	6 7	6				5-12
Walking City (3-8)	17	3 4 8	3 4 5 6 7 8						K-4
When Two Worlds Met (3-6)	17	3 4 5	3 4 5 6	5 6	5 6			K-4	K-12
Programs-on-Wheels - At your location									
A Cultural Experience (Pre K-K)	13	P K	P K					K-12	
ABC: Arches, Bridges & Construction (5-8)	14							K-12	
Archaeology of Ohio's Native American Peoples (3-8)	16	3 4 5 6 7	4 5					K-12	
Business Beginnings (3-6)	16	3 4	3 4 5 6	3	3 4 5 6			K-4 5-8	K-12
Coming to America (3-8)	16	3 4	3 4 5	3 4	3 4 5			K-12	K-4
Evolution of Diversity (3-8)	14							K-12	
Impact of Inventions (2-6)	16	2 3 4	2 3 4 5 6	2	2 4 5 6			K-4 5-8	K-12
Jerusalem and the Dead Sea Scrolls (4-8)	16	3 4 6	7					K-12	5-12
Lewis and Clark (3-8)	16	3 4 5 7 8	3 4 5 6 8	5 6 8	7 8			K-12	5-8
Liberty on the Border (3-8)	17	3 4 8	3 4 5 6 8	3 4 5 6 8	7 8			5-8	K-4 5-8
Lotions, Potions & Strange Notions (3-6)	17	3 4	3 4 5 6						K-4
One World, Many Cultures (1-4)	17	1 3 4	1 2 3					K-12	
The Underground Railroad (3-8)	17	3 4 5 7 8	3 4 5 6 8	3 4 8	5 6 7			K-12	K-4
Transportation Transformations (3-6)	17	3 4	3 4 5 6		3 5 6			K-4	K-12
Uncovering Egypt (4-8)	17	6 7	6 7	6 7	6				5-12
Walking City (3-8)	17	3 4 8	3 4 5 6 7 8						K-4
When Two Worlds Met (3-6)	17	3 4 5	3 4 5 6	5 6	5 6			K-4	K-12
Wild About Animals (Pre K-K)	13		K					K-12	

The program was very engaging for my students, even those who are not often engaged. They LOVED the chemistry demonstrations, especially the ones involving explosions and fire. They also liked the hands on experiences.

— Rachel Thrun, teacher, 2018