

**Merrillville Community Planetarium
K-8 Astronomy and Space Curriculum Map**

	SEPT.	OCT.	NOV.	DEC./JAN.	DEC./JAN.	FEB.	MAR.	APR.	MAY
Grade Level	7th Grade	4th Grade	2nd Grade	5th Grade	6th Grade	3rd Grade	1st Grade	Kindergarten	8th Grade
Essential Questions		What makes Earth special? What is our sun like? How do satellites and space probes help us?	What is Earth like? What are the sun and stars like?	Where did the moon come from? What are the planets like? What is the name of those stars?	How are stars born and how do they die? Where did the universe come from? How long have people studied the sky?	Is there life on any of the planets? What is the moon like? What are the constellations? What would it be like to fly in space?	What can we see in the sky? How do we explore space?	What is the planetarium?	
Content in terms of essential concepts and topics	7a/The Earth in Space 7b/Eclipse: Dance of Shadow and Light 7c/All Systems Go!	4a/The Water Planet 4b/Our Star, the Sun 4c/Satellites and Space Probes	2a/Earth Is a Planet 2b/The Sun and Earth	5a & 5b/Man and the Moon 5c & 5d/The Inner and Outer Solar System 5e/A Night Under the Stars	6a/Learning About Stars 6b/Galaxies and the Universe 6c/Exploring Our Universe	3a/The Sun's Family 3b/The Moon 3c/Star Tales 3d/Flying the Space Shuttle	1a/introduction to the Planetarium 1b/How Do We Explore Space?	0K/Introduction to the Planetarium	8a/Magellan: Report from Venus 8b/The Mars Show 8c/The Voyager Encounters 8d/Comet: From Ice to Fire 8e/The Life and Death of Stars 8f/Through the Eyes of Hubbl
Standards/Skills i.e., processes and skills emphasized Indiana Academic Standards plus MCSC skills	1.5	1.5, 1.7 3.1, 3.2, 3.4, 3.5 3.8, 3.11, 3.12 3.13, 3.15 4.3, 4.7	3.1, 3.2 4.3	1.4 3.1, 3.2, 3.3, 3.6 3.7, 3.11, 3.13	1.2 3.2, 3.3, 3.17, 3.21	1.6 3.1, 3.2, 3.3, 3.4	1.1 3.3	2.1 3,1 6.1	
Products/Assessments It is assumed that teachers will assess students with traditional tests.		follow-up activities in Teacher Guide	Oral review of concepts; follow-up activities in Teacher Guide	follow-up activities in Teacher Guide		follow-up activities in Teacher Guide	Oral review of concepts; follow-up activities in Teacher Guide	Oral review of concepts; follow-up activities in Teacher Guide	