

inspire Them! High School Programs Catalog

	Grade	Content	Name	Time	GLE
Life Sciences					
SMALL GROUP	9 th - 12 th	<i>Molecular Genetics</i>	The Gene-ius of Genetics	120	9 th -12 th Grade SI: 1,2,4-7,10,14,15,16(e); Biology: 5,7,8,12, 13; Chemistry: 26
	10 th	<i>Body Systems</i>	Organs on Parade	30	Biology: 33,34,37
Physical Sciences					
ASSEMBLY PROGRAMS	9 th	<i>Electricity</i>	Electricity Unplugged	30	9 th -12 th Grade SI: 2,16(d); Physical Science: 44,47
	9 th & 12 th	<i>Chemical & Physical Changes</i>	Radical Reactions	30	9 th -12 th Grade SI: 2; Physical Science: 21,22,27,28; Chemistry: 31,35,42,45
SMALL GROUP	9 th & 11 th	<i>Chemistry</i>	Chemical Balancing Act	60	9 th -12 th Grade SI: 2,10; Physical Science: 3,4,11,21-24; Chemistry: 5,6,7,31,35
	9 th & 11 th	<i>Light & Cosmology</i>	Light Detective	60	9 th -12 th Grade SI: 1,2,4,5,6,9,14; HS Physical Science: 48; HS Physics: 32,34,35; HS Earth & Space: 26,30
	9 th & 12 th	<i>Scientific Process</i>	Marble Mania	60	9 th -12 th Grade SI: 2,3,4,7,9; Physical Science: 34,38; Physics: 19
	9 th & 12 th	<i>Electricity</i>	Power Up!	60	9 th -12 th Grade SI: 1,2; Physical Science: 5,45; Physics: 21,30
	9 th & 12 th	<i>Scientific Processes</i>	Period of a Pendulum	60	9 th -12 th Grade SI: 1,3,4,6,9,11,15,16(a)-(e); Physical Science: 1,2,29,40; Physics: 7,17,19; 9th Grade Math: 4,28
Earth Sciences					
ASSEMBLY PROGRAMS	9 th - 12 th	<i>Environmental Science: Human Impact on the Environment</i>	Talkin' Trash	30	Physical Science: 1; Biology: 27; Environmental Science: 13,14,17,18,24,26,27; Chemistry: 1,47; Physics: 1
SMALL GROUP	9 th - 12 th	<i>Environmental Science: Hydrology</i>	Water Quality	90	9 th -12 th Grade SI: 1,2,4,5,10; Physical Science: 1; Biology: 26,27; Chemistry: 32; Environmental Science: 4,12,19,20,25
	Technology				
SMALL GROUP	9 th - 12 th	<i>Robotics & Technology</i>	Dr. Heartbeat	60	9 th -12 th Grade SI: 3,4,5,14,16(a); Physical Science: 1
	Mathematics				
SMALL GROUP	9 th - 12 th	<i>Vectors</i>	What's Your Vector?	60	9 th -12 th Grade SI: 1,2,7; Physics: 12,14; Algebra I: 22; Geometry: 10,15; HS Trigonometry: 12,16
	Space DOME Planetarium				
LIVE PROGRAMS	11 th	<i>Space Exploration & Technology</i>	Eye on the Sky	30	Earth Science: 23
	11 th	<i>Scientific Processes Space Technology</i>	Technology in Space	30	Earth Science: 23,26,27,30
MOVIES	11 th	<i>Space Exploration & Adaptations</i>	Cosmic Safari	30	Earth and Space Science: 30
	11 th	<i>Nuclear Fusion</i>	Secrets of the Sun	30	Earth Science: 23,24,26,27
	11 th	<i>History of Astronomy</i>	Two Small Pieces of Glass	30	9 th -12 th Grade SI: 8,11-14; Earth Science: 23,24,30,35
	11 th	<i>Historical Astronomy Cosmology</i>	Universe	30	Earth Science: 16,23,24
	9 th & 11 th	<i>Cosmology</i>	Wonders of the Universe	30	Physical Science: 30; Earth Science: 16,23,24,30; Physics: 7

inspire Them! Special Programs for High School

Black History Month: BLACK AMERICAN ACHIEVEMENTS

This year's Black History Month programs will explore areas of contributions and achievements that step outside the traditional bounds of science.

Friday, February 5, 1:30 p.m.

Wit With Words: Freestyle - Freestyling is a popular trend in the music world. More than the traditional musician's solo, freestyle includes narratives characterized by rhythm and rhyme. A freestyle battle of words tests not just rhythm and rhyme, but also use of the English language, coherence, memory and celerity of brain power. After discussing some of the science behind freestyling, we'll make up our own freestyles by inviting audience members to show off their freestyle skills.

Friday, February 12, 1:30 p.m.

Steppin' it Out! - Stepping is a type of step dance popularized by Black American fraternities. While the origin of stepping is debatable, stepping can range from simple rhythmic movements to a complex inclusion of footwork, chants, hand claps, props and more! Stepping also characterizes unity and teamwork by having a line of persons moving in synch. After a general review of stepping, members of the audience have the chance to WOW everyone with their stepping talent!

Friday, February 26, 1:30 p.m.

Stop, Pop, and Roll With It! - Black American musical performers are constantly introducing new dance moves. We'll take a step back into history and reflect on Black Americans who have contributed and revolutionized dancing, including moves from the great James Brown, the Moonwalk by Michael Jackson, hip-hop moves from Ginuwine and Usher, 'Lean Wit It Rock Wit It' by Dem Franchize Boyz and others in this dynamic and kinesthetic program. We'll "exercise" using the latest dance moves and discuss the importance of coordination and aerobic exercise. Be prepared to show off your latest dance moves!

Science & Careers

Friday, February 12

Interact with local professors and area scientists to learn about exciting careers in science. These professionals will lead fun hands-on activities that focus on the skills and the education required for future careers in science.

High School Engineering Olympics

Tuesday, February 16, 9:30 a.m. - 12:30 p.m.

Calling all high school students! Go for the gold at Sci-Port's Ninth Annual Engineering Olympics! Students work with practicing engineers to meet Sci-Port-designed engineering challenges in six different areas of engineering. Limit of one class of 25 per school. Teachers must register at least two weeks in advance of the event.

NANODays

April 1 and 2

Louisiana Tech faculty and GK-12 Teaching Fellows introduce nanotechnology to your students with WOW activities that communicate Tech's recent research into the world of the infinitesimal. LA Tech will lead assembly programs at 10 a.m. and 11 a.m. on Thursday and Friday, with programs for the public on Saturday, April 3.

Science in Art Competition

Saturday, April 17

Compete in one of the most creative competitions of all! Entrants submit creative works that demonstrate their understanding of a scientific or mathematical principle. Categories are available for all ages. For more information and official entry form contact Lou Papai at (318) 424-3466 after January.

National Astronomy Week Celebration

April 19-21, 11 a.m. each day

Activities in the Space Dome Planetarium and throughout Sci-Port reveal the relevance of today's space exploration. Come learn about astronomy from the ground up as we explore our sun, solar system, galaxy and the rest of the cosmos.

