

OPTIMAL LEARNING PRE-K & KINDERGARTEN S.T.E.A.M. CAMP 2017



THEME	SESSION 1 WEEK 1	COMPUTERS June 19th - June 23rd 2017
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Campers will learn to understand actions that can control software programs. Campers will use computers for a variety of purposes (e.g. listening and interacting with storybooks, working with numbers, playing games and drawing). During this week we will be introducing the play "Climb High Jack!" to our campers. Throughout the next few weeks campers will be preparing, learning and rehearsing for the performance of this play on August 3rd 2017. All components of the theatre will be presented to our campers which will encompass the 5 elements of the arts: Visual, Media, Music, Dance and Theatre.

S.T.E.A.M.	COMPUTERS	Campers will identify the characteristics and uses of computer hardware and operating systems.
SPARK	BUILDING BLOCKS	Campers will engage in body & spatial awareness, listening skills, following directions, body part identification, creativity. Activities include: Freeze Dance, Bubble Fun, Simon Says
THEATRE		With prompting & support campers will invent & inhabit an imaginary elsewhere in dramatic play.
DANCE		Campers will explore movement inspired by a variety of stimuli music, sound, and objects.
MUSIC		Campers will explore and learn to understand that creative ideas & feeling can influence musician's work.
MEDIA ARTS		Campers will discover and share ideas for media artworks using play and experimentation.
VISUAL ARTS		Campers will create art using pieces of old computers combined with a variety of media.

FIELDTRIPS	Splashpark		TBA
	GERMANTOWN POOL		TBA

THEME	SESSION 1 WEEK 2	COMPUTERS June 26th - June 30th 2017
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Campers will understand the nature and uses of different forms of technology.

S.T.E.A.M.	COMPUTERS	Campers will learn that technology is used in all areas of our lives to make life easier for us.
SPARK	PARACHUTE PLAY	Campers will engage in group cooperation, listening skills, general coordination, locomotor and non-locomotor skills, strength, and creative movement. Activities include: Shake, Rattle and Roll, Rock and Row and Ocean Waves
THEATRE		Campers will act out scenes from the play "Climb High Jack" with their peers and express original ideas.
DANCE		Campers will invent their own dance to accompany certain music genres
MUSIC		Campers will participate in teachers guided music and movement activities
MEDIA ARTS		Campers will create and capture art contents for media arts productions, identifying basic principles such as pattern and repetition.
VISUAL ARTS		Campers will start to create paintings focusing on the backdrop of Climb High Jack.

FIELDTRIPS	Strathmore (Event TBD)		TBA
	GERMANTOWN POOL		TBA

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THEME SESSION 2 WEEK 1 **UNEARTH THE EARTH July 3rd - July 7th, 2017**

Campers will continue to rehearse for the play. Campers will learn about atmospheric processes, weather patterns and the water cycle.

S.T.E.A.M.	WEATHER PATTERNS	Campers will explore that short term weather conditions change daily and that water can change forms but the amount stays the same.	
SPARK	HOOP IT UP	Campers will engage in large object manipulation, gross motor coordination, body and spatial awareness, tracking, balance, rhythm, independent movement choice, and cooperation. Activities include: Happy Helicopters, Go Car Go, Circus	
THEATRE		Campers will make, discuss and assign group decisions to identify responsibilities required to present a play.	
DANCE		Campers will express an idea, image or feeling through improvised movement.	
MUSIC		Campers will explore and learn about music contrasts such as high/low, loud/soft same/different.	
MEDIA ARTS		With guidance campers will combine art forms & media content such as dance and video to form media artworks.	
VISUAL ARTS		Campers will create paintings, sculptures & drawing using non traditional materials, eg. Sticks, feathers, plants	
FIELDTRIPS		TBD	TBA
GERMANTOWN POOL			TBA

**** NO CAMP ON TUESDAY JULY 4TH, 2017 ****

THEME SESSION 2 WEEK 2 **UNEARTH THE EARTH July 10th - July 14th 2017**

Campers will learn about Earth's composition and structure. Campers will focus on the area of stage design and setup while continuing to rehearse for the play.

S.T.E.A.M.	EARTH'S MATERIALS	Campers will explore a variety of Earth's materials: solid rocks, soils, liquid water and gases of the atmosphere.	
SPARK	RIBBONS, SCARVES & BALLOONS	Campers will be working on hand-eye coordination, rhythm, creativity, self expression, tossing, catching and independent movement choices. Activities include: Counting Catches, Balloon Color Race	
THEATRE		Campers will create a set design for a play & learn theatre terminology: character, role, setting, story, etc.....	
DANCE		Campers will demonstrate tempo contrasts with movement that match to the tempo of sound stimuli.	
MUSIC		Campers will experiment using various items to repeat and create a beat and rhythm.	
MEDIA ARTS		Campers will have the opportunity to demonstrate basic skills such as handling tools and making choices in creating	
VISUAL ARTS		Under guidance Campers will create play backdrop taking size and distance to the audience into consideration.	
FIELDTRIPS		Rock n Jump Trampoline Park	TBA
GERMANTOWN POOL			TBA

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THEME	SESSION 3 WEEK 1	TECHNOLOGICAL DESIGN July 17th - July 21st 2017
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This week campers will learn to understand the nature of technological design and will also be creating costumes for the upcoming play.

S.T.E.A.M.	OBJECTS & SYSTEMS	Campers will learn that objects & systems occur in nature, but people can also design & make objects & systems to solve a problem and improve the quality of life.
SPARK	FLUFFBALL FUN	Campers will be working on small object manipulation, catching, rolling, accuracy, underhand and overhand throwing. Activities include: Goal Line rolling, Throw for Distance, Counting Catches
THEATRE		Campers will be able to refine the scenes and practice their roles through rehearsal.
DANCE		Campers will identify and apply different characteristics to movement e.g. slow, wavy, smooth
MUSIC		Campers will discuss how music can evoke emotions and how it makes them feel.
MEDIA ARTS		Campers will recognize and share components and messages in media artworks
VISUAL ARTS		Campers will explore colors and how they can relate to moods. They will create a piece of art using color to reflect the mood they choose.
FIELDTRIPS		TBD

GERMANTOWN POOL **TBA**

THEME	SESSION 3 WEEK 2	TECHNOLOGICAL DESIGN July 24th - July 28th 2017
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Campers will learn to understand that people are always inventing new ways to solve problems and accomplish work. (e.g. a computer is a machine that helps people work and play). This week campers will also continue creating costumes for the upcoming play.

S.T.E.A.M.	CREATING NEW OBJECTS	Campers will learn that people are always inventing new ways to solve problems and that new objects can be created out of physical materials (e.g. paper, cloth).
SPARK	BEANBAG BONANZA	Campers will learn all about small object manipulation, tracking, underhand and overhand throwing. Activities include: Color Toss, Pancake Flip, Color Race
THEATRE		Campers will be able to describe the story's character actions by use of body, face, voice and gestures.
DANCE		Campers will explore dances from different cultures
MUSIC		Campers will demonstrate awareness of expressive qualities for specific purposes.
MEDIA ARTS		Campers will use personal experiences and choices in making media artworks
VISUAL ARTS		Campers will explore cave paintings and then tell their own story in the style of a cave painting.

Greenbrier State Park Lake **TBA**

GERMANTOWN POOL **TBA**

OPTIMAL CAMPERS WILL BE PERFORMING THE PLAY "CLIMB HIGH JACK!" ON AUGUST 3RD. PLEASE RESERVE SOME TIME TO COME SEE ALL OF THE HARD WORK THEY PUT INTO THIS PERFORMANCE

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THEME	SESSION 4 WEEK 1	EVOLUTION July 31st - August 4th 2017	
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This week campers will learn about biological evolution and the diversity of life.

S.T.E.A.M.	WHAT WE NEED TO LIVE	Campers will have daily hands on fun projects to learn that plants and animals need certain resources for energy and growth.	
SPARK	ROPE ACTION	Campers will focus on balance, strength, endurance, rates of movement choice, and cooperation. Activities include: Firefighter Warmups, Baby Rabbits and Musical Triangles	
THEATRE		Campers will rehearse with props and non representational materials.	
DANCE		Campers will explore suggestions to change movement in short remembered sequences	
MUSIC		Campers will explore various string instruments.	
MEDIA ARTS		Campers will share ideas relating media artworks & everyday life such as daily activities	
VISUAL ARTS		Campers will create paintings, sculptures & drawing with a variety of media, based on daily themes.	
FIELDTRIPS		Green Meadows Farm - Petting Farm	TBA
		GERMANTOWN POOL	TBA

THEME	SESSION 4 WEEK 2	EVOLUTION August 7th - August 11th 2017	
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This week campers will learn to understand the principles of heredity.

S.T.E.A.M.	HEREDITY	Campers will have daily hands on fun projects to learn that plants and animals closely resemble their parents.	
SPARK	HAVE A BALL	Campers will practice hand eye coordination, rolling, bounce and catch, self toss and catch. Activities include: Bounce It! Toss It!, Bounce and Catch	
THEATRE		Campers will identify ways in which gestures and movement may be used to create or retell a story.	
DANCE		Campers will demonstrate movement characteristics along with movement vocabulary e.g. floppy fall, joyful spin, etc...	
MUSIC		Campers will explore various keyboard instruments	
MEDIA ARTS		With guidance campers will interact safely & appropriately with media arts tools and environments	
VISUAL ARTS			

FIELDTRIPS	Dinosaur Park (Laurel)	TBA
	GERMANTOWN POOL	TBA

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THEME	SESSION 5 WEEK 1	SENSES August 14th - August 18th 2017
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This week campers will have fun exploring their 5 senses such as observing through a rose colored world, making a sound machine and lots of other hands on activities		
S.T.E.A.M.	SUPER SENSES	Campers will have daily hands on fun science experiments discovering their senses in unusual ways.
SPARK	FANCY FEET	Campers will practice their foot-eye coordination, kicking for distance and accuracy, walk & kick, run & kick. Activities include: Cone Around, Kick and Score
THEATRE		Campers will learn that voice & sound are fundamental to dramatic play.
DANCE		Campers will select a prop to use as part of their dance.
MUSIC		Campers will explore various beat instruments
MEDIA ARTS		Campers will learn to understand the message a media artwork can convey
VISUAL ARTS		

FIELDTRIPS	Senses at the Park. Great Seneca Tire Park	TBA
	GERMANTOWN POOL	TBA

THEME	SESSION 5 WEEK 2	OLS CARNIVAL August 21st - August 25th 2017
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OLS Campers will be hosting a neighborhood carnival for the last week of camp!		
S.T.E.A.M.	COOL CARNIVAL SCIENCE	Campers will conduct experiments - fun with mirrors, soap bubbles etc...
SPARK	SUPER STUNTS	Campers will engage in gross motor coordination, body & kinesthetic awareness, agility, balance, strength, creative movement, independent movement choice, and cooperation. Activities include: Line Walking, I See I See, Friend to Friend
THEATRE		Campers will learn to alter voice & body to expand & articulate nuances of a character.
DANCE		Campers will invent a dance based on movements found in nature.
MUSIC		Campers will be able to perform songs for their peers.
MEDIA ARTS		Campers will create CARNIVAL posters that will be put up around the neighborhood.
VISUAL ARTS		Campers will explore fun "Carnival art" e.g spin art, bubble art etc...

FIELDTRIP	IN HOUSE FIELD TRIP - MAGIC SHOW	TBA	TBA
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Please pack BAGGED, non-heatable lunches on fieldtrip days. Your child must wear the orange OPTIMAL camp t-shirt on all fieldtrips. Make sure your child wears appropriate clothing, hat and shoes on field trip days and apply sunscreen at home before your child arrives at camp. Flip flops and sandals are NOT encouraged. OPTIMAL will be closed on August 31st and September 1st for classroom preparation and teacher training.



Have a S.T.E.A.M. filled summer at OPTIMAL

