ALTERED IMAGES
In this day and age of photoshop, we were inspired to explore the lost art of altering photographs by hand with this altered photograph art project!

BEE-OMETRY
Learn why bees are important. Globally there are more honey bees than other types of bee and pollinating insects, so it is the world’s most important pollinator of food crops.

BOOKMAKING
Create a variety of bookbindings that are fun and easy such as, Coptic stitch, Japanese binding and much more. Learn the proper way of cutting paper, binding and stitching techniques. We will also explore marbling paper then use it to decorate the cover of a book.

BUILD A CELLPHONE SPEAKER
Make a cell phone amplifier by mixing clay with a little bit of science. A cone shape amplifies existing speakers by confining sound waves and aiming them all in one direction.

BUILD A CONDO-BEE-NIUM
Give native bees a helping hand by installing a homemade nesting block in your home landscape. Affectionately called “bee condos,” some recyclable materials, wood, and glue are some of the items it takes to invite nature’s best pollinators to your garden home.
BUILDING A LIE DETECTOR AND MORE
In this workshop, you'll discover how your brain gets a workout when it moves from truth-telling to lying, and how you can detect the shift. That's no lie! Students will build their own lie detector and explore how body language and heart rate reveals if subjects are telling the truth.

CAST PAPER ART
Cast & Handmade Paper are art forms that unite the 2,000-year-old art of papermaking with contemporary artistic expression. The cast process begins with the beating in water of cotton or any other cellulose fiber. The beaten fiber or pulp is swelled with water. The pulp is then laid up by hand in a mold (plaster) made from the original work of art (a clay sculpture). The pulp is pressed to drain off the water. Bonded to each other, the fibers dry in the single continuous unit, cast paper. Handmade paper differs from cast paper in that it is not made in a mold. Individual shapes are applied by the artist to create the desired image. The equipment sometimes used in hand-made paper is a flat screened mold along with a pressure press to squeeze out the water.

CHEMICAL REACTIONS
What is chemistry and why is it important? How does it relate to your health? How many elements make up your body? You will have "hands on" experiments such as: make a 4th of July drink, build an atomic model, identify mystery powders and show off with "dancing spaghetti." End the class by inventing a Chemistry Science Fair project!

CHESS CHAMPIONS
Learn to play or improve your chess game. The theory and principles of chess will be taught through problem solving assignments. General knowledge of the rules and strategies of the game will be learned while playing against each other and the instructor. You may even participate in a tournament or two.

CLAYMATION
This is a one-of-a-kind workshop: what you think is what you get! Your tools: crayons, paper and scissors - combine it with The Director's Cut stop motion technology and cutting-edge equipment and you'll have a film that could be a shoe-in for an Academy Award! See where your imagination will take you!
**CLIMATE SCIENCE INVESTIGATIONS**
Ever wonder why one day it is freezing cold outside and not only two days later you can spend a perfect day at the beach? Do you know that you might play a part in it? You will go over and analyze scientific data, you will learn the importance of recycling and reducing waste, and how to present or defend your point of view when it comes to “global warming.”

**COMIC BOOK DESIGN**
Write and draw your own story! Students will learn to develop an idea and turn it into a comic page or strip. Explore the art of putting together elements of a comic book, using pencils and ink students will explore different ways of telling stories and creating characters, leading up to the creation of a class comic book.

**CRAZY COMPUTER TUNES**
Listening to music is great and all, but what if you actually create it? In this class, you will learn what you need to know to start creating and recording your own digital music all from your own computer. How awesome is that?

**CREATE & BUILD**
Students will have the opportunity to see what is missing or can be improved upon in today’s society and even take a futurist approach. This course encourages participants to use their minds with a puzzle-solving approach, creating solutions, instead of waiting for someone else to CREATE IT. Students also will learn about inventors who made important contributions to today’s society.

**CUBISM SELF PORTRAIT**
Students will explore perspective, abstraction, point of view and cubism through the use of traditional drawing and painting materials.

**CUT IT AND COLLAGE IT**
What can you create only using paper and glue sticks? A shape? An animal? A person? Start out with a discarded book, pick out some fabric, plastic, or other materials, and begin your own 3-D collage. Add windows, doors and drawers! You will complete your masterpiece within the week course and learn how to safely use hammers and pliers.
**DESIGN & SELL**
Learn many different jewelry-making techniques. Design and make your own jewelry, including necklaces, belts, bracelets and more! Add beads and charms into your designs. Realize what it takes to be a jewelry designer. Learn about the distinctive field of jewelry design and how to do research and marketing so you can offer your own unique designs. Regardless of whether you want to develop a new brand, begin your own empire or simply create your very own style, this class will help you realize your passion to its maximum capacity!

**DRAWING BASICS**
This workshop is an introduction to artists known for still life and figure drawing. Students will pose for short periods of time for figure drawing, as well as use a skeleton and ceramic busts for drawing poses. Students will use a variety of media, including graphite pencils, colored pencils, charcoal, pastels, acrylic paints, markers and watercolor paints. All supplies are included in the registration fee and are non-toxic.

**ENVIRONMENTAL ENGINEERING**
One-sixth of the world’s population is without clean drinking water. If people drink dirty water, they may get sick, but if they don't drink any water, they cannot live. This is one of the problems that environmental engineers are trying to solve. In this activity, students will be challenged to create a water treatment system that can turn dirty “river water” into clean drinking water.

**ESCAPE ROOM**
Students are separated into teams to compete against each other in order to escape the classroom before the clock ticks down to zero.

**FASHION DESIGN**
Learn what it takes to be a fashion designer. Learn about the different field of design, how to do fashion research and about fashion details. This class will involve a lot of drawing. You will quickly know if fashion is your future!
FORENSIC FILES
Do you like to solve mysteries? Are you good at paying attention to small details? Want to learn how to become a good forensic detective? This class is all about forensics and crime scene investigation and how one needs the other to solve a crime. This course will involve learning about the different fields in forensic science and how each can be important in catching a suspect. Areas of study will include Forensic Pathology (the body), Anthropology (bones), Entomology (bugs), and Toxicology (poisons). It also examines how crime scene investigators properly secure a crime scene and record evidence like fingerprints and blood spatter. All this could come in handy because you might need to solve a mock (pretend) murder at SYC!

FUN WITH PHYSICS
What is physics and why do we need it? Learn Newton's Laws of Motion (he had at least three!); do some experiments and dazzle your friends with your amazing knowledge!

GAMES GALORE
Join this exciting fast paced class for fun and games learning in a hands-on TV type game show format. Subjects will include Social Studies, Science, Math, Music, Vocabulary, English, Reading, Geography, History, Entertainment, Sports and Grab Bag.

GRAPHIC DESIGN
This course introduces graphic design using the visual elements and principles of design, including visual communication utilization of symbols, knowledge of tools and layout procedures is provided.

HYDRAULIC MACHINES *Only offered on Boca Raton campus
The students will understand and discuss hydraulics in common machines and nature. Learn about pressure, force, and relate to every day.

IMPROV 101
Be an actor with no lines to learn. Enjoy fun improv games and exercises in a safe, supportive environment. It is all pretend and imagination. As you play someone or something else you will learn who you really are and like yourself more. Your own self-confidence will grow as you help others to look good and you will learn to think "on your feet."
**MASK AND TELL**
Inspired by the portraiture of Pablo Picasso and traditional African masks, students will use a variety of art techniques to assemble a unique mask and use it to perform an original written and spoken dialogue for their peers.

**MATH IN MOTION**
See math come alive! Participants step into the shoes of a magician, a factory production scheduler, an architect, a flight engineer or a hardware engineer and see math in action in the real world of science, technology, and engineering.

**OPTICAL ILLUSION ART**
When something plays tricks on your eyes it is called an Optical Illusion. Op Art is artwork that plays tricks on our eyes.

**PERSPECTIVE DRAWING**
Students love using perspective in their drawings once they know how to use it. This lesson teaches the student how to use one point and two-point perspective to create the illusion of space on a two-dimensional surface. The teacher will then present a presentation and demonstration on the use of colored pencils.

**PHOTOSHOP  *Only offered on Boca Raton campus***
This course introduces digital image editing software using Adobe Photoshop as applied to the Macintosh computer giving them the opportunity to advance their design skills. The course covers the implementation of basic creative options such as image creation and manipulation, color correction, and retouching through the use of layers and various selection methods.

**POSTERIZED CLAY PORTRAITS**
“Finger Paint” with clay and create a modern selfie-style portrait with the look of ancient pottery.

**SCIENCE FAIR FUN**
Science fair project is like a mystery. You are the detective searching for clues and answers! Join us to get a FUN head start on your next science fair project. Select your own mystery to solve and learn how to creatively design methods to uncover the clues you need to get the final answer.
SCIENCE IN THE DARK
This course will LIGHT UP your child’s summer! Each week students will go on a different journey into the glowing world of science, using everyday components.

SOLAR MECHANICS
Harvest the sheer power of the sun. Students will learn the basics of how solar panels and solar engines operate to produce electricity. They will construct various vehicles, devices, and machines, that all will harvest the power of the sun’s rays to operate in.

STRING ART
An artwork that is created, when geometric lines are measured and spaced out so that they will produce a design that is either drawn or sewn. These lines create abstract patterns or representational designs.

THE BIG DEBATE
Learn to put your thoughts into words in a precise concise expressive way while you practice the rules of real live debating. This class will involve group work. You will learn to be open minded and to listen, understand and respect others’ point of view. They may even be right!

UPCYCLING
“One man’s trash is another man’s treasure.” Discover that making your own art is fun, inexpensive and empowering. This class encourages wild creativity with an emphasis on recycling. You will create using your imagination as well as scraps of fabric, plastic, wood, and even items you would find in your own backyard.

WEB DESIGN
This course introduces students to web graphics and web layout and learn to make backgrounds, buttons, and banners to use on their pages. The student will be introduced to the most recent applications for web page production and editing. Students will be using Adobe Creative Suite on a Macintosh Computer.

WHO DONE IT?
Upon successful completion of the course, the student will be able to: 1. Recognize the role of a detective at a crime scene. 2. Understand the concepts of proper investigation. 3. Learn why and how to secure a crime scene from contamination. 4. Learn how to use tools properly during the process of an investigation. 5. Learn the items of a crime scene. 6. Perform a crime scene investigation.
**WIRE SCULPTURE**
Students will learn how to handle tools such as pliers properly and in a safe manner. Students will work with a variety of wire to create 3-D sculptures inspired by Alexander Calder and contemporary metal artists. Students will learn the basics of designing with wire combined with other media such as tissue and found objects.

**YOU BE THE JUDGE**
Take turns playing prosecutor, judge and jury in this intriguing introduction to law and the court system. Hear cases, present testimony and decide the verdict. This class will even improve reading skills while having fun.

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*Summer Youth College at Palm Beach State College, reserves the right to cancel classes due to lack of enrollment and make changes, including change in price, content, description, terms, etc., at any time without notice.*