

# ASU

**ALABAMA STATE  
UNIVERSITY**

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**Division of Continuing Education**



**Brochure Course Abstracts**

**Summer 2018**

# Catalog of Summer Kids/Youth College Adventure Program Courses

## TABLE OF CONTENTS:

Summer Kids Youth College Adventure Program (SKYCAP).....	1
Skills Exploration.....	3
STEM.....	5
Critical Skills Enhancement.....	7
Mathematics.....	7
Technology.....	9
Sports & Fitness.....	10/11
Creative Expression.....	12
Map/Direction.....	15

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The ASU Division of Continuing Education is a member of the Association for Continuing Higher Education and adheres to the Continuing Education Units guidelines of The Southern Association of Colleges and Schools (SACS). Parents! Ask about our Summer Kids Youth College Adventure Program (SKYCAP), 8 a.m. - 5 p.m., June 4-22 & July 9-27, 2018.

**Memo: Do you have a great idea for a New Course?**



# Summer Kids Youth College Adventure Program 2018

## SKILLS EXPLORATION

### Literary Skills

- ❖ Reading
- ❖ Grammar & Spelling
- ❖ English
- ❖ Writing Development

### Reading Rocks

Select one grade level:

#### Grades 1 – 3

Activities designed to complement a student's progress in literacy development. Reading Rocks activities will help your student become aware of how sounds work, learn and use relationships between spoken sounds and written letters, improve fluency, and expand vocabulary. This class will lay the foundation for purposeful and active readers. Students will be engaged in exercises designed to refresh and strengthen their reading behaviors, comprehension, and vocabulary. Students will use these exercises as building blocks for creating individual and group activities, games, stories, and songs. By the end of the session, each student will have compiled an assortment of literary works. The course will be presented in a positive, fun environment focusing on active learning.

### Mathematics

Select one grade level:

#### Grades 1 - 3

This mathematics class is designed to make math fun by giving students an opportunity to expand their math skills through an individualized program. Students will be given basic math problems to help them understand the concepts of math, according to their skill level. Activities are designed to complement a student's mathematics development. These activities will enhance a student's mathematical thinking and problem solving abilities.

### Reading & Spelling

Select one grade level:

#### Grades 1 - 3

This class is designed to reinforce sequential skills in reading and spelling. Students will be engaged in fun-filled daily review of basic skills through exercises. By the end of the session, students will have compiled an enrichment package for continued review throughout the year.

### Reading & Language

Select one grade level:

**Grades 4 - 5**

Activities designed to complement a student's progress in literacy development. Reading activities will help your student become aware of how to draw conclusions and word meaning from context, identify the main idea and supporting details, identify and use literary elements, and expand vocabulary. This class will lay the foundation for purposeful and active readers. Students will be engaged in exercises designed to refresh and strengthen their reading behaviors, comprehension, and vocabulary. Students will use and create reference sources and text features to gain information. Students will use these exercises as building blocks for creating individual and group works of literature such as short stories, plays, autobiographies, and novels. By the end of the session, each student will have compiled an assortment of literary works. The course will be presented in a positive, fun environment focusing on active learning.

**Language Arts**

Select one grade level:

**Grades 6 – 8**

Enter new horizons! Turn the key that will unlock the door to the world of written and spoken language. This class is designed to meet the English composition needs of each student as determined by their ability to read & comprehend short stories. Students will be given reading selections comparable to their skill levels and will be allowed to progress at their own rate.



**Communication & Study Skills**

Select one grade level:

**Grades 6 - 8**

This class is designed to improve verbal skills through speaking exercises aimed at identifying areas that need improvement through individualized instruction focused on correcting or improving speech. Articulation and pronunciation, grammar, language and learning to express thoughts concisely will be covered. This course is designed to teach high school students how to prepare academically for more advanced, pre-college work. Study skills to be covered will include:

- Learning to read and listen for greater comprehension
- Learning ways to improving test-taking skills
- Basic techniques to prepare for exams
- Learning to writing with clarity and precision
- Developing a broader vocabulary
- Planning ahead and setting basic study practices



**Essential Communication Skills**

Select one grade level:

**Grades 9 – 12**

This class will teach students the necessary methods and techniques to improve their communication skills. Through research and presentations they will overcome their fears of public speaking and gain self-confidence that will carry on with them throughout their life. At the end of the session students will be equipped with the strategies, tactics, and insight needed to debate and defend their ideas through facts, sound judgment and a creative philosophy.

### **Spanish I**

Select one grade level:

#### **Grades 4 - 5**

Spanish is quickly becoming a commonly used language. We are constantly exposed to Spanish terms on television, in school, movies and songs. In this class, students will learn about the language and culture of Spanish-speaking nations through basic conversation, interactive drills and cultural notes. Activities will include dialogues, games and skits. There will be many opportunities to use the language in real-life situations.

### **Spanish II**

Select one grade level:

#### **Grades 6 – 8**

Spanish is quickly becoming a commonly used language. We are constantly exposed to Spanish terms on television, in school, movies and songs. In this class, students will learn about the language and culture of Spanish-speaking nations through basic conversation, interactive drills and cultural notes. Activities will include dialogues, games and skits. There will be many opportunities to use the language in real-life situations.

## **STEM**

### **Science I**

Select one grade level:

#### **Grades 4 – 5**

This class is designed to improve science skills. Students will be engaged in a number of challenging activities that are designed to familiarize them with the science concepts most often found on standardized tests. By the end of the session, each student will have compiled an enrichment package for continued review throughout the year.

### **Science II**

Select one grade level:

#### **Grades 6 – 8**

This class is designed to improve science skills. Students will be engaged in a number of challenging activities that are designed to familiarize them with the science concepts most often found on standardized tests. By the end of the session, each student will have compiled an enrichment package for continued review throughout the year.

### **Drone Exploration**

Select one grade level:

#### **Grades 9 – 12**

This course is for the novice who received a drone as a gift and wants to learn more about the design, functions, operation, maintenance and responsibilities associated with flying Drones. Participants will learn the basic FAA rules concerning recreation flying, flight altitude, line-of-sight distance, where drones can be flown with respect to airports, aircrafts, near people and how to register the unmanned aircrafts.

### **Forensic Sciences Exploration**

Select one grade level:

#### **Grades 9 – 12**

These exercises will give students an opportunity to explore the availability of jobs in the ever growing field of science. This will give students an idea about salaries, and other types of statistics compiled from real time research in these fields of science. It may also recruit students into the field of science as they may take special consideration to the availability of employment there.

### **Biomedical Engineering Exploration**

Select one grade level:

#### **Grades 6-9**

Biomedical Engineers combine engineering principles with medical and biological sciences to design and create equipment, devices, computer systems, and software used in healthcare. This class designed to explore the types of career opportunities that are found in the Biomedical Engineering field. Students will be provided with information that will create and interest in specific areas of study. Students will be able to learn how biomedical engineering has created advances in medical equipment. Biomedical engineering has made innovative improvements in patient treatment, for example, robotic surgery. Biomedical engineering has made it possible for hospitals and medical facilities to perform procedures that require patients less time to recover. This class hopefully will create an early interest in students in middle school to major in biomedical engineering at ASU.

### **Money Smart for Teens**

#### **Grades 6-8**

Money Smart is an exciting interactive exploration of the concepts of money. This cross curricular class is designed to promote financial understanding of middle school students in grades 6 through 8. Money Smart can be used to add engaging and enriching activities to financial literacy and economics instruction. The class activities support English, Language Arts, Mathematics, Social Studies, Economics and Technology while helping students build the foundation to become financially responsible adults. Developing positive habits equips students with 21st century skills and tools that last a lifetime. Being money smart can allow one to stay debt solvent and acquire an excellent credit rating. One's credit rating can affect your success in life, school, career, and ability to have real purchasing power.

# CRITICAL SKILLS ENHANCEMENT

## ACT Preparation

Select one grade level:

### Grades 9 - 12

If you are a college bound student, the ACT is the first step for college admission and can also be your chance to impress the college of your choice by achieving a competitive score. ASU, in conjunction with BCR Educational Services of Auburn, has put together a dynamic team of ACT test specialists and designed a preparation course to help you achieve the competitive score you need. By applying the skills, strategies and tactics you will learn in this course, you will have the best possible preparation.

## MATHEMATICS

### Basic Mathematics

Select one grade level:

#### Grades 4 - 5

This class provides a review of basic math skills including multiplication, division and long division; and gives students an introduction to fractions and decimals. Each topic will use applications designed to improve skills through solving word problems. Students may take this class individually or combine it with Mathematics II to complete this series.

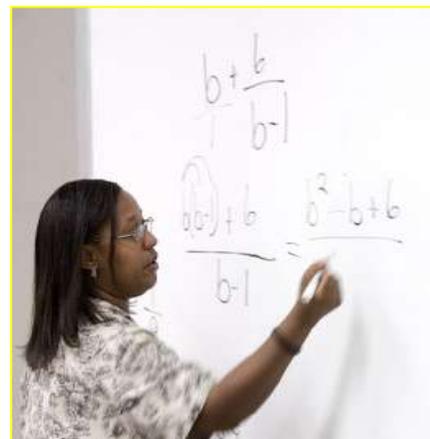
Students will be engaged in exercises designed to strengthen problem solving and abstract thinking skills. The classroom environment will focus on encouraging independent thinkers, exploration, and thinking outside of the box. Developing computational fluency and number sense will be important. However, the focus for this course is the use of cooperative learning to explore mathematics found in the students' daily lives. Students will use hands-on materials and technology to measure, improve pattern recognition, find solutions through more than one method, and sharpen reasoning skills. Our lab exercises will allow students to construct and investigate together and share their ideas. These activities naturally complement their active and inquisitive minds. The course will be presented in a positive, fun, and encouraging environment.

### Basic Mathematics II

Select one grade level:

#### Grades 6 - 8

Basic Mathematics II reinforces the skills taught in Basic Mathematics, and concentrates on performing operations with fractions, decimals and word problems. At the end of the session, students should be able to add, subtract, multiply and divide with fractions and decimals. Students may take this class individually or combine it with Basic Mathematics to complete this series.



## **Algebra I**

Select one grade level:

### **Grades 6 - 8**

This course is designed for students desiring a review of the major tenants of Pre-Algebra/Algebra I. Emphasis will be placed on problem solving and instruction. Also the class will include: classroom lectures, individual and small group work, students-as-teachers exercises and hands-on learning experiences.



## **Algebra II**

Select one grade level:

### **Grades 9 – 12**

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The content of this course are important for students' success on both the ACT and college mathematics entrance exams.

## **Geometry**

Select one grade level:

### **Grades 9 – 12**

Students will be engaged in exercises designed to strengthen problem solving and critical thinking skills. The classroom environment will focus on communication, exploration, and thinking outside of the box. Solving algebraic and geometric problems will be important; however, the focus for this course is the use of thought provoking activities that explore mathematical concepts through the use of hands-on materials, mathematical discussions, and technology. Our lab exercises will allow students to construct and investigate together. Students will work in teams to choose the best problem-solving technique for the situation, share the reasoning for their choices, and identify the methods required to get results. Students become better problem solvers by verbalizing, illustrating, and recording their thought processes. The course will be presented in a positive, fun environment by focusing on collaborative and active learning activities.

# **TECHONOLOGY**

## **Computer Coding**

Select one grade level:

### **Grades 9-12**

Computer coding is what makes it possible for us to create computer software, applications and websites. This class provides students with a basic introduction to computer coding. Students will learn about scalar data, arrays, branching and looping, input and output, regular expressions and functions. Students will also learn how to write scripts using the fundamental blocks of computer coding.

### **Basic Computers**

Select one grade level:

#### **Grades 1 – 3**

Basic computer skills are not only important but necessary. This summer camp will offer basic computer skills for student's grade level 1-3. The class will teach the students the basic computer functions; such as understanding basic computer vocabulary and technology, the common computer components, how to use the mouse and how to use the keyboard.

### **Computer Games I**

Select one grade level:

#### **Grades 4 - 8**

This is not a course for pure gaming fanatics. In addition to a love of games, students of this course will learn the extra drive, aptitude and the ambition to go beyond just playing; they must have a desire to analyze, deconstruct and improve games across multiple genres and platforms and display real aspirations to become part of this most exciting and dynamic of industries.

### **Computer Digital Art**

Select one grade level:

#### **Grades 4 - 8**

Want to create designs of your own? This class creates a fun environment where children will learn to use software programs to draw and design T-shirts, posters, invitations and CD jackets. The class gives basic instruction on the use of scanners to manipulate photographs in Adobe Photoshop and gives students the tools needed to build a simple website. Other course components include instruction on designing with lines, shapes, color, texture and pattern to achieve works of art on the computer.

### **Computer Animation**

Select one grade level:

#### **Grades 4 – 8**

This course offers a vast spectrum of tools used in the field of computer animation. Computer Animation includes the designing of web-banners, photo slide shows with music, and even cartoon animations. By the end of this course students will have a working knowledge to perform multiple innovative tasks using computer animation.

### **3D Modeling/Computer Graphics**

Select one grade level:

#### **Grades 4-8**

This 3D modeling/computer graphics or (three dimensional modeling) class is designed to teach students a mathematical representation of any surface of an object (either inanimate or living) in three dimensions via specialized software. The intent of the 3D modeling class is to stimulate students to become interested or explore various industries like: films, animations, gaming, interior designing, architecture, medical and mechanical engineering as a result of exposure to 3D modeling concepts. The students can see the model in various directions and views allowing them to use their creative imagination in designing an object from more than one perspective.

### **Computer Information System**

Select one grade level:

**Grades 6 – 12**

This course provides hands-on instruction with microcomputers using various kinds of software such as Microsoft Windows, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Front Page, sending and receiving e-mails with attachments, introductory concepts of hardware and software applications of computer technology.

**Robotics Exploration**

Select one grade level:

**Grades 6 – 8**

This class will teach the basics of robotics, help students understand some of the important definitions, and key ideas behind robot mechanics and artificial intelligence. Students will learn to succeed in this course by analyzing and working through the challenging problems.

**Web Design/Photoshop**

Select one grade level:

**Grades 4 – 8**

This is an introductory course to the world of the Internet, websites, electronic mail and multi-media sites. This course requires some knowledge of basic computer operations. Students will gain basic knowledge on setting up an e-mail account, web surfing, internet safety and security. Students will also learn to become more time efficient in conducting research via the Internet.

**Computer Graphics**

Select one grade level:

**Grades 4 – 8**

This course offers a vast spectrum of tools used in the field of computer graphics. Computer Graphics includes the designing of web pages, flyers, business cards and all sorts of publications. By the end of this course students will have a working knowledge of how to perform multiple innovative tasks using computer graphics techniques.

1. In this class students will be taught how to make a profile, how to update profile, how to place security on their profile and how to search/add friends.
2. Additionally, students will learn how to access the app store, how to download apps, particularly difference educational free apps, how to access the delete apps, check memory, hook up to a WIFI hotspot, access the cameras (both front and back facing), how to change the background, how to add security measures and any other questions that may come up during class.

## **SPORTS & FITNESS**

**Zumba Kids & Zumba Juniors**

Select one grade level:

**Grades 1-12**

A kid-friendly dance class designed for kids at all ages to move and groove. It is a high energy fitness class with routines and music like hip-hop, reggae ton, cumbia, and more that kids will love. This class will increase kid's self-confidence, boost metabolism, enhance coordination, and students will learn about different dances in the African-American and Latin culture.

## **Swimming**

Select one grade level:

### **Grades 3- 12**

Have you wanted to learn how to swim, but a supervised opportunity has not been available? Take advantage of a structured swimming class conducted by a certified teacher and lifeguard. You will receive training in fundamentals such as breathing, backhand and overhand strokes, treading, diving, and water safety. Upon leaving the class you will have mastered basic principles of water survival.



## **Soccer**

Select one grade level:

### **Grades 3 – 7**

Come and learn about the exciting game of soccer, which is quickly becoming one of America's most popular sports. You will learn the basic skills of controlling the ball, kicking, passing and scoring, along with the objectives of the game.

## **Tennis**

Select one grade level:

### **Grades 4 - 12**

Learn to play this popular sport on ASU's superb tennis courts. This introductory course gives students courtside instruction on the right way to play tennis. You will gain a general knowledge of groundstrokes, volleys, serves and match play. A racquet will be provided if you do not have one.



## **Volleyball**

Select one grade level:

### **Grades 6 – 12**

This course is dedicated to developing basic volleyball fundamentals i.e. serving, passing, setting, hitting and blocking. This course also allows students to develop and mature their leadership and teamwork skills as well as exhuming their confidence. Throughout the course students will learn volleyball terminology and rules, the basic fundamentals of volleyball and will learn to implement their skills in various team based games. By the end of the course students will be able to demonstrate knowledge of equipment, safety terminology and the rules of volleyball.

## **CREATIVE EXPRESSION**

### **Piano I**

Select one grade level:

**Grades 4 - 5**

Are you interested in playing the piano? This class will introduce students to basic piano techniques. This class covers music notation, distinguishing rhythm patterns and time signatures on an individual basis.



### **Piano II**

Select one grade level:

**Grades 6 – 12**

Are you interested in playing the piano? This class will introduce students to basic piano techniques. This class covers music notation, distinguishing rhythm patterns and time signatures on an individual basis.

### **Painting**

Select one grade level:

**Grades 1 – 3**

This class provides introductory lessons on the art of painting. Students will learn the various tools and techniques to create and appreciate the art of painting.

### **Wildlife Art**

Select one grade level:

**Grades 1 – 3**

Get those creative juices flowing!! This class is not your typical creative expression; students will be using remaining pieces from craft activities and making them into different types of animals! Not only that but we also will be taking mini-exploration into the “Wild” to collect items to use in our pieces. Get ready for a different art experience!

### **Sculpture/Bubble Art**

Select one grade level:

**Grades 1-3**

### **Fine Art**

Select one grade level:

Grades 1-3

### **Pottery for Teens**

Select one grade level:

#### **Grades 5 - 9**

This class is for teens who like to express their creativity through clay. Participants will explore wheel-thrown pottery, throw forms off the hump and be introduced to tooling, glazing and firing techniques. Sign up early. Space is limited to 5 – 10 students.



### **Youth Ceramics**

Select one grade level:

#### **Grades 4 – 8**

Let your imagination run wild as you learn to create animals, a rocket, funny masks, or other three-dimensional objects with papier-mâché. Papier-mâché is a wonderfully versatile medium that allows students to be creative as they explore the processes of constructing multi-Dimensional shapes. This class teaches basic papier-mâché application and includes painting and other decorative techniques.

### **Drawing & Sketching**

Select one grade level:

#### **Grades 4 - 8**

Does your child spend a lot of time with paper and pen tracing or drawing figures? This could be the sign of artistic expression that can be cultivated with the proper instruction. This class teaches students the fundamentals of drawing, sketching and basic color use while developing their artistic talents.

### **Youth Cartooning**

Select one grade level:

#### **Grades 4 - 5**

If you love the Sunday comics and have a desire to draw characters that tell a funny story, then this is the class for you. This cartooning class will teach you how to develop characters in various situations, enhance your creativity and provide lots of practice drawing cartoons. By the end of the class, each participant will have an opportunity to create his/her own sketchbook.



### **Voice/Choir**

Select one grade level:

#### **Grades 6 – 12**

Learn to sing like a star! In this course, you will learn how to breathe properly for singing, identify your range, learn about vocal placement and style and experience a variety of vocal exercises that are used by many stars in the entertainment world. Whether you are a beginner or a professional singer, this method is for you!

## **Sing/Dance Idol**

Select one grade level:

### **Grades 6 – 12**

A gentle approach to dance – learn ways to improve flexibility, balance, coordination, improve strength and muscle tone.

Class will include dance postures, breathing techniques and a range of singing and dancing styles.



# DIRECTIONS TO OUR OFFICE

