Baylor’s University for Young People (UYP)
Catalog of Programs & Course Offerings 2017

NOTICE:
• Students should not be left unsupervised on campus before, after, or between courses.

• Students entering the 4th grade in Fall 2017 have the option of attending one or both of the primary programs and/or taking courses on the Baylor campus.

• One annual $20.00 registration fee will be automatically assessed for each participant. This fee covers the cost of the t-shirt, supplies, and the registration process.

• A Baylor campus all day UYP option ($230) includes a morning course and an afternoon course, supervised lunch at Penland Dining Hall, and organized recreation time.

• Each UYP participant will receive the official 2017 UYP t-shirt. NOTE: UYP t-shirts are not necessarily available if the wrong size is ordered or if the registration is not completed by May 23rd at 5:00.
# Interdisciplinary Elementary Programs
(For students entering 1st – 4th grades)

## June 5 – June 9
(Monday – Friday)

<table>
<thead>
<tr>
<th>Time</th>
<th>Course Description</th>
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<tbody>
<tr>
<td>8:30 a.m. – 2 p.m.</td>
<td><strong>Creative Problem Solving Camp: Explorations</strong> &lt;br&gt; You will use creative problem solving as you explore the remains of a vanished culture in a simulation of an archaeology dig. Expert groups will employ the disciplines of anthropology, museum studies, history, art, science, and journalism to unravel the mysteries of a long-forgotten people and communicate your discoveries to others. The week culminates in a showcase of the activities, skills, discoveries, and products explored and developed by you and your fellow campers.</td>
<td>$170.00*</td>
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**Supplies:** Daily sack lunch

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## June 12 – June 16
(Monday – Friday)

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<td>8:30 a.m. – 2 p.m.</td>
<td><strong>Discovering Ideas with Technology</strong> &lt;br&gt; Continue your interest in anthropology, museum studies, history, art, science, and journalism with a kid-friendly hands-on technology based environment. You will continue your interest study with technology based research and exploratory based medias. You will end the week with a media product of your choice.</td>
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*NOTE: $20 registration fee will be automatically assessed per participant.*
# Baylor Campus Programs

## Session I
### June 5th – 9th
### Grades 4 and 5

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| **9:45 – 11:15** | Developing a Business: *Mandee Busbee and Mary Ernsbarger*  
Have you ever wanted to start your own business? Do you like problem-solving? Well, this course is for YOU! We will be researching aspects of good businesses, presenting you with a problem to solve, and creating businesses and products. The final day, we will invite guests to hear your business proposals and view your spectacular creations! |
| **9:45 – 11:15** | Mindsets for the Road to Success: *Micaela Dougherty*  
Are you familiar with the power of mindsets? The course will help you understand the difference between growth mindsets and fixed mindsets and provide the tools for you to develop and maintain a growth mindset. You will learn how the brain can grow and change when faced with challenging tasks. |
| **9:45 – 11:15** | Introduction to Coding: *Emilee Ashenfelter*  
Learn the basics of coding and hear from experts in the field of computer science! You will create programs to solve problems and develop interactive games or stories that you can share. |
| **11:15 - 1:15** | **Session I: 4th-5th Lunch and Recreation**  
Experience the life of a college student as you join with other students and your mentor for lunch in Penland Dining Hall. All-you-can-eat food options include, but are not limited to, hamburgers, sandwiches, pizza, salad, fruit, Mexican food, stir fry, gluten-free options, and dessert. After lunch, you will enjoy recreation such as soccer, volleyball, games, and movies that are organized by UYP mentors. Mentors will take you to your afternoon course after recreation time.  

Be sure to register for one morning course, lunch, recreation, and one afternoon course if you want the all-day option. |
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<td><strong>Instant Challenge:</strong> Lindsey LeGrand</td>
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<td>Do you enjoy teamwork and creativity? Develop your critical thinking skills, creativity, and ability to work with others under pressure in these fun and exciting sessions!</td>
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<td>1:15 – 2:45</td>
<td><strong>Ben Franklin's Inventions:</strong> Kristi Freemyer</td>
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<td>Benjamin Franklin’s long list of achievements includes creating the first circulating library, post office, and volunteer fire department and serving his country as postmaster, politician, and diplomat. In addition, he was an accomplished scientist and author. However, Franklin is best remembered for his inventions. His imagination was without limits, and we enjoy many of the groundbreaking devices he created. Come discover and recreate many of Franklin's inventions, including, but not limited to, the solar-powered oven, simple circuit, long arm, and thermometer!</td>
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<td><strong>Head, Shoulders, Knees, and Toes!</strong> Allie McDonald</td>
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<td>Journey inside the human body as we take a closer look at the incredible systems that allow us to live! We will look at a different body system each day and conduct hands-on (and sometimes messy!) experiments and models to help us understand the processes of the digestive, respiratory, circulatory, nervous, skeletal, and muscular systems. By the end of the week, we will understand more fully how all of our body systems work together to do some amazing work.</td>
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**Session I**  
**June 5th-9th**  
**Grades 6, 7, and 8**

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| 9:45 – 11:15 | **Inventors of UYP:** *Jordan Martella*  
What would life be like if Thomas Edison never invented the light bulb? What if the Wright Brothers never invented the airplane? Inventions change our lives for the better, and we still need innovative minds today! In this class, you will see if you have what it takes to become an inventor and create something to make the world a better place! |
| 9:45 – 11:15 | **Art Through the Ages:** *Sarah Tirmenstein*  
Art has been around as long as we can remember and has changed and adapted with the times. Each time period can be classified by its unique style of artwork. In this class, you will research and explore the most popular styles of art through the ages to create your own works mimicking the most popular styles of the times. Styles we will explore include: Baroque, Impressionism, Pop Art, and more, along with famous artists from each period. |
| 9:45 – 11:15 | **Critical Thinking:** Media, Advertising, & Persuasive Argument:** *Derek McAllister*  
Critical thinking is a much needed but sorely neglected part of learning. In this class, you will learn how to recognize good arguments from bad arguments (fallacies), with some attention to recent events, news media, and advertising. We will also cover the basic elements of a good persuasive essay and will give you the opportunity to think about author’s intent. |
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| 1:15 – 2:45| **Mixed Media Madness: Kathe Barbur**  
The term “Mixed Media” includes just about anything and is an amazing way to express emotions and personal interest in artwork! Come learn about various artists who first used a variety of media in one piece of artwork and brainstorm for yourself how to create using a montage of media such as paint, pastel, multimedia paper, feathers, yarn, recyclables, old DVDs, mod podge, newspaper, sticks, wire, and whatever! After developing a design, you will create an original work of art using your own plan. Bring your interesting finds to include in your piece and your “mad media” ideas! |
| 1:15 – 2:45| **Voices Alive – Investigating Waco’s Racial Past Through Oral History: Chris Lemley**  
When a federal court ordered the integration of Waco public schools in 1974, the decision set in motion a chain of controversial events that echo in the present. We will encounter Waco’s fascinating and often controversial racial past by going to the source and interviewing those who lived it. We will interview Wacoans who have memories of the integration period and prepare the audio files for a historical archive. Next, we will create interpretive pieces reflecting the collected stories for display in our community. You will have an opportunity to contribute to the historical record and bring to the surface voices and stories that might otherwise go unheard. If you have ever wondered what the Civil Rights Movement looked like in Central Texas, this is the course for you! |
| 1:15 – 2:45| **Trip Around the World: Jimmy Ross**  
Think of your most ideal place to vacation around the world! Where would you go? Which world class hotel would you stay in? Which airline would you fly on to get there? What type of excursions and adventures would you experience while there? You will build this grand itinerary with a new family and limited funds. Do you accept the challenge? |
| 1:15 – 2:45 | **Enigmas: Mysteries of the World: Jordan Martella**  
Have you ever wondered how the massive stone circle of Stonehenge was created? Or what about the gigantic Egyptian Pyramids? In this course, you will take the mystery into your own hands and try your best to solve the unknown! |
# Session I
## June 5<sup>th</sup>-9<sup>th</sup>
### Grades 9, 10, 11, and 12

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| 9:45 – 11:15  | **Exploring Abnormal Psychology:** *Halle Ross*  
Have you ever wondered how the brain works? Have you ever thought about studying psychology or working as a counselor? In this course, you will learn about a selection of psychological disorders such as depression, anxiety, and schizophrenia. You will learn about the symptoms, development, and treatment of these disorders, as well as educational and career opportunities in the field of psychology. Hands-on activities, interesting video clips, and class discussion will enhance your learning in this course! |
| 11:15 – 1:15  | **Session I: 9 - 12 Lunch and Recreation**  
Experience the life of a college student as you join with other students and your mentor for lunch in Penland Dining Hall. All-you-can-eat food options include, but are not limited to, hamburgers, sandwiches, pizza, salad, fruit, Mexican food, stir fry, gluten-free options, and dessert. After lunch, you will enjoy recreation such as soccer, volleyball, games, and movies that are organized by UYP mentors. Mentors will take you to your afternoon course after recreation time.  
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# Session I

**June 5th-9th**

**Grades 9, 10, 11, and 12**

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We all have places in our community where we feel 'home': the park, the school, or our residence. How have we assigned these places a ‘meaning’ and ‘character’ that differs from another place? Like a football game against the cross-town rival, why do we preserve and exhibit fierce pride over our place? Exploring how place is created through people, culture, history, and landscapes, this class will explore both real and imagined boundaries that we draw in our local communities and how participants identify with these characteristics. In a project-based course, you will learn how to use technology to create both traditional and non-traditional maps to talk about how you identify with place in your local community and can be engaged citizens. |
| **1:15 – 2:45** | **Cooking with Cathy: Cathy Kincheloe**  
Spice up UYP by learning beginning cooking in the kitchen labs of Baylor! Each day you can explore a different type of food such as quick breads, veggies, cakes and cookies, appetizers, and all it takes to put a full meal together. Of course, someone has to taste all the wonderful food you have prepared! |
| **1:15 – 2:45** | **The Smallest Creations: Rachel Renbarger**  
Creative writing is typically thought of as long, elaborate stories or complete novels. This isn’t true! There are plenty of ways to write and express one’s self through short works, but each type has its own purpose and form. In this course, we will examine different types of writing and put our pens to the paper to make our own small portfolio. |
# Session II
## June 12th-16th
### Grades 4 and 5

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| **9:45 – 11:15** | **Perfection or Bust: Lindsey LeGrand**  
Are you perfect at everything? Do you get overwhelmed by a task or project and just procrastinate? Do you despise those who “never make mistakes?” Join me in this session to discover the hidden secrets of a “perfect” life. |
| **9:45 – 11:15** | **iCivics: Diane Williams**  
Become a ROCK STAR citizen through iCivics! We will explore the foundations of our nation, pass laws, engage in conversations about rights and responsibilities, serve on the Supreme Court, run for Congress, and be president for the day, flying around on Air Force One. iCivics is a web-based education project designed to teach students civics and inspire them to be active participants in U.S. democracy. Founded by Justice Sandra Day O’Connor, you will be able to look at actual cases and determine your thoughts on today’s issues, and we will have FUN along the way! You will learn how YOU can make a difference in your community, and how you can be active in our government. |
| **9:45 – 11:15** | **Around the World in 80 Days: Allie McDonald**  
Have you ever wondered what it’s like to be a kid in Germany? What about in Japan or Australia? Come along on a wild week-long ride as we visit all seven continents and learn about what it’s like to be a kid there. We will play games, complete crafts, and even enjoy snacks from all over the world. |
| **11: 15 - 1:15** | **Session II: 4-5 Lunch and Recreation**  
Experience the life of a college student as you join with other students and your mentor for lunch in Penland Dining Hall. All-you-can-eat food options include, but are not limited to, hamburgers, sandwiches, pizza, salad, fruit, Mexican food, stir fry, gluten-free options, and dessert. After lunch, you will enjoy recreation such as soccer, volleyball, games, and movies that are organized by UYP mentors. Mentors will take you to your afternoon course after recreation time.  
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| **1:15 – 2:45** | **LEGO Animation:** *Joyce Anderson*  
Join us for a “block” party with LEGO! You don’t have to be a master builder to lay these “bricks” in place. You will learn how to use Stop Animation, LEGO pieces, and LEGO characters to create miniature, imaginative worlds. Piece by piece and brick by brick you will create your worlds, and then through the power of animation bring them to life! |
| **1:15 – 2:45** | **Your Brain – A User’s Guide:** *Genevieve Williams*  
Ever wonder what is going on in your brain when you feel mad? Or stressed? What makes you feel happy? Or calm? In this course, we’ll discover the science behind our feelings, taking a look at what happens in our minds when we feel different emotions. Then you will learn strategies to help yourself feel your best! This will include yoga, meditation, art, and other fun activities. You’ll go home with many ways to keep your brain feeling focused, strong, calm, and happy! |
| **1:15 – 2:45** | **The UYP School of Robotics:** *Evan Carpenter*  
Bring to life robotic models just like the famous engineers, Bill Nye, Neil Armstrong, and Leonardo Di Vinci. You will build your own robot from scratch using the LEGO® MINDSTORMS® EV3 system. You will learn how to control your robot through obstacle courses and even competitions with other robots! |
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| 9:45 – 11:15 | **Screen Writing:** *Joyce Anderson*  
You have probably seen tons of footage in the form of movies! Have you ever thought of making one yourself? Join this course and learn to write a screenplay from the ground up! |
| 9:45 – 11:15 | **Sculpt It!** *Kathe Barbur*  
From being formed into a sculpture or to practical pieces, clay has been used throughout the centuries and is a wonderful media even for modern day creations! You will learn hand-building techniques using self-hardening clay and end with a product which can be painted to a finished piece! The class will tour the Clay Studio in the Art Department, hear from a professional, and view student and professional clay works which are part of the Martin Museum of Art. |
| 9:45 – 11:15 | **Who Stole the Gold?** *Teri Lloyd*  
Calling all super sleuths. A train carrying $10 million worth of gold bars was derailed while traveling from California to New York. When rescuers arrived on the scene, the gold was gone. Help solve this mystery through forensic science: hair analysis, soil analysis, and even chemical analysis. Take advantage of this “golden” opportunity to learn and join in some summer fun. |
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| 1:15 – 2:45| **Life is All Around!** *Janie Groth*  
Take a tour through the Five Kingdoms of Living Things! Learn how to think, observe, and record like a biologist. We will examine pond water for specimens of the kingdoms Monera and Protista, behold the small yet mighty yeast in Fungi, examine the leaves and blooms of Plantae, and determine exactly what your owl has been eating in Animalia. Students will learn technical research and lab skills while exploring life more deeply than they have before! |
| 1:15 – 2:45| **What’s So Funny?** *James Cochran*  
Why do we laugh at certain things or people? In this course, we will look at various forms of humor and comedy from romantic comedies to slapstick to standup comedy. We will discuss conventional forms and structures of comedy and examine how contemporary films and television shows use and subvert these forms. You will also have the opportunity to perform your own comic routines or present an analysis of a comedy. |
| 1:15 – 2:45| **Python Programming:** *Alexander Pruss*  
Learn how to write code that draws giant geometric shapes out of Minecraft blocks, produce a floating bridge that grows under you and disappears behind you, and design a mini-game! In this course, we will write code in the Python programming language that interacts with a Minecraft world. Along the way, you will also learn basics of programming and three-dimensional geometry. Prior programming experience is not necessary, but you need to know how to type comfortably and to feel comfortable with geometry. |
### Session II
**June 12th-16th**
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| 1:15 – 2:45| **The Escape Room**: *Teri Lloyd*  
Escape Rooms are all the new rage these days. Alphabetic locks, numerical locks, and directional locks are just a few materials that make this class a mind-bending challenge. You'll study everything you need to know to create an interactive Escape Room right on campus. Come join us and “unlock” the keys to new learning! |
| 1:15 – 2:45| **Voices Alive – Investigating Waco’s Racial Past Through Oral History**: *Chris Lemley*  
When a federal court ordered the integration of Waco public schools in 1974, the decision set in motion a chain of controversial events that echo in the present. We will encounter Waco’s fascinating and often controversial racial past by going to the source and interviewing those who lived it. We will interview Wacoans who have memories of the integration period and prepare the audio files for a historical archive. Next, we will create interpretive pieces reflecting the collected stories for display in our community. You will have an opportunity to contribute to the historical record and bring to the surface voices and stories that might otherwise go unheard. If you have ever wondered what the Civil Rights Movement looked like in Central Texas, this is the course for you! |
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<tr>
<td><strong>1:15 – 2:45</strong></td>
<td><strong>LEGO Animation: Joyce Anderson</strong></td>
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<td>Join us for a “block” party with LEGOs! You don’t have to be a master builder to lay these “bricks” in place. You will learn how to use Stop Animation, LEGO pieces, and LEGO characters to create miniature, imaginative worlds. Piece by piece and brick by brick you will create your worlds, and then through the power of animation bring them to life!</td>
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<td><strong>1:15 – 2:45</strong></td>
<td><strong>Around the World in 80 Days: Allie McDonald</strong></td>
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<td>Have you ever wondered what it’s like to be a kid in Germany? What about in Japan or Australia? Come along on a wild week-long ride as we visit all seven continents and learn about what it’s like to be a kid there. We will play games, complete crafts, and even enjoy snacks from all over the world.</td>
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<td><strong>1:15 – 2:45</strong></td>
<td><strong>Your Brain – A User’s Guide: Genevieve Williams</strong></td>
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<td>Ever wonder what is going on in your brain when you feel mad? Or stressed? What makes you feel happy? Or calm? In this course, we’ll discover the science behind our feelings, and take a look at what happens in our minds when we feel different emotions. Then you will learn strategies to help yourself feel your best! This will include yoga, meditation, art, and other fun activities. You’ll go home with many ways to keep your brain feeling focused, strong, calm, and happy!</td>
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### Session III
#### June 19th-23rd
#### Grades 6, 7, and 8

<table>
<thead>
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<th>Time</th>
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| 9:45 – 11:15 | **Screen Writing: Joyce Anderson**  
You have probably seen tons of footage in the form of movies! Have you ever thought of making one yourself? Join this course and learn to write a screenplay from the ground up! |
| 9:45 – 11:15 | **Watercolor 101: Kathe Barbur**  
Watercolor is a wonderful spontaneous medium used for centuries by artists around the world from the Cave Paintings at Lascaux, France to the Renaissance, to the Chinese Brush Painters. Come join us and learn a little about its history, see Baylor’s fabulous watercolor collection from the California Movement, and try your hand at some specific techniques such as dry brush, salt washes, layering and even Chinese brush painting on rice paper! Whether you are a veteran or new to this medium, you can have fun in Watercolor 101! |
| 9:45 – 11:15 | **Python Programming: Alexander Pruss**  
Learn how to write code that draws giant geometric shapes out of Minecraft blocks, produce a floating bridge that grows under you and disappears behind you, and design a mini-game! In this course, we will write code in the Python programming language that interacts with a Minecraft world. Along the way, you will also learn basics of programming and three-dimensional geometry. Prior programming experience is not necessary, but you need to know how to type comfortably and to feel comfortable with geometry. |
| 9:45 – 11:15 | **What’s So Funny? James Cochran**  
Why do we laugh at certain things or people? In this course, we will look at various forms of humor and comedy from romantic comedies to slapstick to standup comedy. We will discuss conventional forms and structures of comedy and examine how contemporary films and television shows use and subvert these forms. You will also have the opportunity to perform your own comic routines or present an analysis of a comedy. |
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<th>11: 15 - 1:15</th>
<th>Session III: 6 - 8 Lunch and Recreation</th>
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<td>All day UYP students attend a morning course, lunch, recreation, and an afternoon course. Be sure to register for lunch and recreation.</td>
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| 1:15 – 2:45  | **Trip Around the World:** *Jimmy Ross*  
Think of your most ideal place to vacation around the world! Where would you go? Which world class hotel would you stay in? Which airline would you fly on to get there? What type of excursions and adventures would you experience while there? You will build this grand itinerary with a new family and limited funds. Do you accept the challenge? |
| 1:15 – 2:45  | **Cooking with Cathy:** *Cathy Kincheloe*  
Spice up UYP by learning beginning cooking in the kitchen labs of Baylor! Each day you can explore a different type of food such as quick breads, veggies, cakes and cookies, appetizers, and all it takes to put a full meal together. Of course, someone has to taste all the wonderful food you have prepared! |
| 1:15 – 2:45  | **Who Stole the Gold?** *Teri Lloyd*  
Calling all super sleuths. A train carrying $10 million worth of gold bars was derailed while traveling from California to New York. When rescuers arrived on the scene, the gold was gone. Help solve this mystery through forensic science: hair analysis, soil analysis, and even chemical analysis. Take advantage of this “golden” opportunity to learn and some summer fun. |
| 1:15 – 2:45  | **Engineering a Contraption:** *Rachel Renbarger*  
Rube Goldberg “machines” are types of contraptions. For example, you have probably watched a video where someone tipped over a domino. This domino knocked down 20 other dominoes to push a marble around a bend or down a ramp and through a tube to make it into a cup 10 feet away. Using concepts such as machines, gravity, and force, you will learn how to make a Rube Goldberg machine out of everyday objects. |
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| 9:45 – 11:15 | **Making the Invisible Visible:** *Michael Lotspeich II*  
We all have places in our community where we feel ‘home’: the park, the school, or our residence. How have we assigned these places a ‘meaning’ and ‘character’ that differs from another place? Like a football game against the cross-town rival, why do we preserve and exhibit fierce pride over our place? Exploring how place is created through people, culture, history, and landscapes, this class will explore both real and imagined boundaries that we draw in our local communities and how participants identify with these characteristics. In a project-based course, you will learn how to use technology to create both traditional and non-traditional maps to talk about how you identify with place in your local community and can be engaged citizens. |
| 9:45 – 11:15 | **The Escape Room:** *Teri Lloyd*  
Escape Rooms are all the new rage these days. Alphabetic locks, numerical locks, and directional locks are just a few materials that make this class a mind-bending challenge. You’ll study everything you need to know to create an interactive Escape Room right on campus. Come join us and “unlock” the keys to new learning! |
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| 1:15 – 2:45  | **Critical Thinking: Media, Advertising, & Persuasive Argument:** *Derek McAllister*  
Critical thinking is a much needed but sorely neglected part of learning. In this class, you will learn how to recognize good arguments from bad arguments (fallacies), with some attention to recent events, news media, and advertising. We will also cover the basic elements of a good persuasive essay and will give you the opportunity to think about author's intent. |
| 1:15 – 2:45  | **Python Programming:** *Alexander Pruss*  
Learn how to write code that draws giant geometric shapes out of Minecraft blocks, produce a floating bridge that grows under you and disappears behind you, and design a mini-game! In this course, we will write code in the Python programming language that interacts with a Minecraft world. Along the way, you will also learn basics of programming and three-dimensional geometry. Prior programming experience is not necessary, but you need to know how to type comfortably and to feel comfortable with geometry. |