## ER 73 Fall Classes

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<tr>
<th>AM 1st 5 weeks</th>
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<th>AM 2nd 5 weeks</th>
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<tbody>
<tr>
<td><strong>Research (A)</strong>&lt;br&gt; EKB PS&lt;br&gt;Brett, Tommy</td>
<td><strong>Democracy Now (A)</strong>&lt;br&gt; LFJ PS&lt;br&gt;Dan H</td>
<td><strong>Research (B)</strong>&lt;br&gt; EKB PS&lt;br&gt;Brett, Tommy</td>
<td><strong>Democracy Now (B)</strong>&lt;br&gt; LFJ PS&lt;br&gt;Dan H</td>
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<td><strong>Borders &amp; Identity (A)</strong>&lt;br&gt; EGC PS&lt;br&gt;Josán, Josue</td>
<td><strong>Chemistry of Cooking (A)</strong>&lt;br&gt; EKB&lt;br&gt;Sara, Micah</td>
<td><strong>Borders &amp; Identity (B)</strong>&lt;br&gt; EGC PS&lt;br&gt;Josán, Josue</td>
<td><strong>Chemistry of Cooking (B)</strong>&lt;br&gt; EKB&lt;br&gt;Sara, Micah</td>
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<td><strong>Lifelong Fitness (A)</strong>&lt;br&gt; CHLC PS&lt;br&gt;Anna</td>
<td><strong>Improv</strong>&lt;br&gt;EC&lt;br&gt;Meg</td>
<td><strong>Lifelong Fitness (B)</strong>&lt;br&gt; CHLC PS&lt;br&gt;Anna</td>
<td><strong>Mockingbird</strong>&lt;br&gt; EKB&lt;br&gt;Brett, Tommy</td>
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<td><strong>RMNP Murals (A)</strong>&lt;br&gt; EC PS&lt;br&gt;Cindy, Malikah</td>
<td><strong>RMNP Murals (B)</strong>&lt;br&gt; EC PS&lt;br&gt;Cindy, Malikah</td>
<td><strong>Sacrificial Poets</strong>&lt;br&gt;EC&lt;br&gt;Dan H</td>
<td><strong>Piano Studio</strong>&lt;br&gt;EC&lt;br&gt;Meg</td>
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<td><strong>Feeling Lucky</strong>&lt;br&gt; EKB&lt;br&gt;Becky, Erin</td>
<td><strong>Foreign Language Ind. Study</strong>&lt;br&gt;EC&lt;br&gt;Josán</td>
<td><strong>Math 4 Life</strong>&lt;br&gt;CHLC&lt;br&gt;Becky, Erin</td>
<td><strong>Cryptology</strong>&lt;br&gt; EKB&lt;br&gt;Becky, Erin</td>
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<td><strong>Human Sexuality</strong>&lt;br&gt; CHLC</td>
<td><strong>Coaching</strong>&lt;br&gt;CHLC&lt;br&gt;Cordell</td>
<td><strong>Astronomy</strong>&lt;br&gt; EKB&lt;br&gt;Sara, Micah</td>
<td><strong>Through the Looking Glass</strong>&lt;br&gt;EC&lt;br&gt;Cindy, Malikah</td>
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<td><strong>Weight Lifting</strong>&lt;br&gt; CHLC&lt;br&gt;Cordell</td>
<td><strong>Speaking Drum</strong>&lt;br&gt;EC&lt;br&gt;Josue</td>
<td><strong>AM 2nd 5 weeks</strong></td>
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**Research**

**Instructor(s):** Brett Youngerman
Tommy McAree

In this class, you will investigate and research a topic you are curious about, steadily progressing from a novice to an expert in that particular field. You will choose your topic through a process that balances your interests with the general feasibility of the topic (including resources available, rigor, and depth). You will learn how to find and evaluate both print and digital sources, examining the main arguments, purposes and biases within them. You will pull key ideas and details from the sources in notes that support your emerging research questions and claims. You will learn how to synthesize and represent your growing body of knowledge in an organized way, eventually sharing your new understanding around your topic by developing a thesis statement and writing a traditional research paper. Be prepared to read carefully, write, rewrite, and give and receive feedback on a daily basis. Also expect to invest a substantial amount of time outside of class reading, researching, and writing.

- **Power Standard Course:** Yes
- **Expanding Knowledge Base**
- **Distribution Requirement:** Expanding Knowledge Base
- **Credit(s):** 2
- **Required Experience(s):**
- **Traditional Disciplines:** English

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**Borders & Identity**

**Instructor(s):** Josán Perales
Josue Quintana

In this course, you will explore your own identity through the lens of the U.S.-Mexican border and the human stories from the line between us. Learn and reflect on the visible and invisible borders we each confront every day. Learn Spanish to build bridges between people and community, talk about yourself and ask about others, compare and contrast opposing points of view, and write from multiple points of view. During the first 5-weeks you will dive into the world of migration and identity, formulating your own informed perspectives through video and field work, all while learning to communicate in Spanish. During the second 5-weeks, you will continue to explore borders and identity and develop a culminating action-project that exposes problems and proposes solutions to the immigration and border debate.

- **Power Standard Course:** Yes
- **Engaged Global Citizen**
- **Distribution Requirement:** Engaged Global Citizen
- **Credit(s):** 2
- **Required Experience(s):** Public Service Presentation
- **Traditional Disciplines:** World Lang: Spanish History: US

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**Lifelong Fitness**

**Instructor(s):** Anna Magle-Haberek

What defines fitness? Cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition are all components of fitness, but being “fit” can come in all different shapes and sizes. In this class we will be applying components of fitness to exercise activities such as swimming, weight training, and yoga, so be prepared to get active in class! We will test our own bodies for various levels and aspects of fitness. These results will help us make predictions about our future health and how to improve or maintain our fitness.

- **Power Standard Course:** Yes
- **Creating Healthy Life Choices**
- **Distribution Requirement:** Creating Healthy Life Choices
- **Credit(s):** 2
- **Required Experience(s):**
- **Traditional Disciplines:** Physical Education Math: Statistics Science: Biology
RMNP Murals  
Instructor(s): Cindy Elkins, Malika Mahone

Murals teach, communicate, decorate, and add vitality to our lives. Join a hard-working team with an emphasis on leadership that will design and paint a 15 foot long mural in the Rocky Mountain National Park. This class will explore images and interview rangers about their jobs to create an indoor mural about the Rocky Mountain National Park. Students will learn how to use different mural techniques, and develop their leadership skills while strengthening our ERS / RMNP connection. If you are already a capable artist or consider yourself teachable AND you are willing to take risks, join our team. This is a hard working, fast paced class that yields a lot of new skills, beautiful art, and develops how to lead as well as follow.

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<tr>
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<td>Effective Communication</td>
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<tr>
<td>Required Experience(s):</td>
<td>Public Service Presentation</td>
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<td>Traditional Disciplines:</td>
<td>Visual Art, English</td>
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| Credit(s): | 2 |

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<td>Required Experience(s):</td>
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<tr>
<td>Traditional Disciplines:</td>
<td>Math: Statistics</td>
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Feeling Lucky  
Instructor(s): Becky Poore

If the casino always wins, why do people gamble? Why are more and more states legalizing gambling? Is there a best way to play casino games? What is gambling addiction? Wrestle with these questions and many more as we examine the mathematics of gambling and consider the implications for ourselves, and our communities. This course, based in the casino world, will help you practice making calculated decisions. As we study the mathematics of games, we will learn about the world of gaming and its social impacts. In class, we will gamble, discuss real life decisions, and create casino-style games to host a casino night for the Eagle Rock community!

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<td>Traditional Disciplines:</td>
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| Credit(s): | 1 |

Human Sexuality  
Instructor(s):

In this class we'll explore sex and sexual health from many different perspectives, but this won't be your typical sex-ed class. We'll look closely at sexuality though different media - newspaper, magazine, websites, documentaries, film, fiction and non-fiction and improve our reading, writing, and thinking skills in the process. There will be a focus on using stories and experiences from people around the world to better understand sexuality and healthy relationships, and we'll examine issues around sexual orientation, gender identity, healthy relationships, consent, and much more. Join this class for an in depth and critical look at the role that sexuality plays in our lives and society, and what your role can be in furthering public discourse on this relevant and timely issue!

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<td>Traditional Disciplines:</td>
<td>Health</td>
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Democracy Now  
Instructor(s): Daniel Hoffman

Are you interested in how our government works? Do you wonder how decisions are made and how change happens? Democracy is defined as a system of government in which the greatest power of a nation is invested in its people. The United States is usually defined as a democracy, but how does this democracy work if at all? In this class, you will explore the structure and function of the US government and will question the merits of this system as a democracy. Join this opportunity to engage in deep learning, critical questioning and reflection on democracy, and an opportunity to apply your learning to better Eagle Rock School as well!

Power Standard Course: Yes  Leadership For Justice
Distribution Requirement: Leadership For Justice  Credit(s): 2
Required Experience(s):

Traditional Disciplines: Government/Civics

Chemistry of Cooking  
Instructor(s): Sara Benge  Micah Saugen

This is a chemistry class in which we will study the chemical changes that food undergoes when it is cooked and processed. We will learn how cooks use techniques such as browning, kneading, emulsifying, and fermenting to create different tastes and textures in foods. Throughout the class we will put our knowledge to the test by creating dishes using these techniques and analyzing the results using the chemistry we've learned. We will work towards the goal of hosting a food fair for people in the community in which we teach them about the chemistry behind what they are eating!

Power Standard Course: No
Distribution Requirement: Expanding Knowledge Base  Credit(s): 2
Required Experience(s):

Traditional Disciplines: Science: Chemistry

Improv  
Instructor(s): Meghan Tokunaga-Scanlon

Imagine having to stand in front of an audience and make up a story on the spot! This is improvisation, a state of being and creating without planning ahead of time. In this course, you will learn about the various foundations, rules, and contexts of improvisation and performance. In addition, you will practice acting improvisation skills, such as agreeing, creating a story, creating a character, and drawing inspiration from everyday life. This class will perform a live improv show that will demonstrate your learnings throughout the trimester.

Power Standard Course: No
Distribution Requirement: Effective Communication  Credit(s): 1
Required Experience(s):

Traditional Disciplines: Performance
### Foreign Language IND Study

**Instructor(s):** Josán Perales

Want to learn a foreign language? Are you motivated by independent learning at your own pace? This class will be a pilot Foreign Language course in the form of a facilitated Independent Study. While you will be able to choose a foreign language of your choice, you will also be a part of an intercultural class, where everyone is learning a different language. As you learn the basics, you will be sharing your learning with your peers, teaching us the language you are learning, and building our capacity to have a multi-lingual intercultural conversation cafe in our classroom. Learn the language of your choice using online language learning programs, local/global speakers of that language that will act as experts for practice, and by exploring the culture of your language through virtual travel, eating food, and project creation.

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<td>Required Experience(s):</td>
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<td>Traditional Disciplines:</td>
<td>World Lang: Other</td>
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### Coaching

**Instructor(s):** Cordell Church

In this course we will learn about what it takes to be a coach. What do good coaches do (and not do?) In this class you will get an opportunity to learn what differentiates a good coach from a not-so-good coach and practice your skills hands on coaching soccer with grade school students. You will have the opportunity to refine your soccer skills, while becoming a skilled coach for the Estes Park Youth Soccer League! We will learn how to work with children at different ages, receive feedback on our coaching and our coaching lesson plans, and learn how to transfer our coaching skills to a variety of sports and fitness. Interested students should be prepared to coach soccer two afternoons a week (in a variety of different weather conditions) and to coach games on Saturday mornings. Lastly, you’ll need both dinner and breakfast KP covers on coaching days.

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<td>Traditional Disciplines:</td>
<td>Physical Education</td>
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### Sacramental Poets

**Instructor(s):** Daniel Hoffman

In Sacramental Poets you will read, write, watch, and perform spoken word poetry while exploring your identity, refining your writing and analytical skills, developing performance and public speaking abilities, and building self-confidence. You will travel off campus to watch nationally renowned poets from the Denver youth poetry team and poets from around the US, perform in poetry slams and open-mic nights. You will learn how to use storytelling techniques, powerful imagery, figurative language and literary devices to write and perform your own poetry. The end results of this hard work will be a published anthology of poetry and the chance to perform in a Denver open-mic night or poetry slam. Be prepared to read carefully, write, rewrite, and give and receive feedback on a daily basis. Also expect to invest a substantial amount of time outside of class reading, writing, and practicing your poetic pieces.

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<td>Traditional Disciplines:</td>
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### Math 4 Life

**Instructor(s):** Becky Poore

After graduating from Eagle Rock, where will you be living? What will you be doing? And, more importantly, how will you pay for everything? In this class you will imagine what your life might be like in the near (and far) future, and learn how to successfully and responsibly plan for that life. Topics covered will include how to: save money, manage bank accounts, create a budget, find an apartment, search for a job, pay for school, buy a car, and file a tax return. Come prepared to put in a high level of time and effort that will help set you up for success in your life after Eagle Rock.

- **Power Standard Course:** No
- **Distribution Requirement:** Creating Healthy Life Choices
- **Required Experience(s):** Life Skills Portfolio
- **Credit(s):** 1
- **Traditional Disciplines:** Economics Math: Algebra

### Astronomy

**Instructor(s):** Sara Benge

Do you ever look up into the night sky and wonder what's up there? In this class, we will explore the features and origins of some of the most phenomenal occupants of the universe: galaxies, stars, moons, planets, black holes, comets and asteroids. We will learn about the theory of gravity and how it affects objects in space and YOU. We will also take evening star walks to make observations about what we see in the night sky and learn how to identity constellations and other features. At the end of the course, after advancing our astronomy skills, we will host a community star walk to bring people together and teach them science behind what they see in the night sky.

- **Power Standard Course:** No
- **Distribution Requirement:** Expanding Knowledge Base
- **Credit(s):** 1
- **Required Experience(s):**
- **Traditional Disciplines:** Science: Earth

### Weight Lifting

**Instructor(s):** Cordell Church

Are you interested in learning more about strength training? Do you want to feel stronger? In this course, we will explore the benefits and challenges of weight lifting. Whether you are an experienced lifter or brand new to it, this is a good course for you. We will explore muscle development and muscle endurance. We will also explore some psychological concepts that help promote and also deter people from lifting weights. You will learn proper technique to stay safe while you get stronger, and will also gain a deeper understanding of the physiological changes occurring in your body. You will leave this course with a personalized weight training that you develop, informed by research and best practice. Join this class to push yourself and feel strong!

- **Power Standard Course:** No
- **Distribution Requirement:** Creating Healthy Life Choices
- **Credit(s):** 1
- **Required Experience(s):** None
- **Traditional Disciplines:** Physical Education
Mockingbird  
**Instructor(s):** Brett Youngerman

What does it mean to be a good person? Have you ever thought about who or what has led you to believe this? In this class we will use Harper Lee's novel To Kill A Mockingbird to anchor our analysis of moral and ethical development. We will consider the people, places, things, and ideas that affect Scout's development throughout the novel and will compare our own moral and ethical development to hers. To this end, we will immerse ourselves in the history of the Jim Crow/Depression era South and the effects it has had and is still having on our country.

**Power Standard Course:** No  
**Distribution Requirement:** Expanding Knowledge Base  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** History: US  English

Piano Studio  
**Instructor(s):** Meghan Tokunaga-Scanlon

Have you ever wanted to learn how to play that song you heard on the radio or write your own music? The Piano Studio will provide opportunities for students to start or continue learning how to play the piano. Students will receive training in piano technique, music reading, basic music theory, and basic composition. In turn, you will apply your knowledge and skills by learning and performing various pieces and songs ranging from classical to popular at your performance level. Musical skills are taught on electric keyboards where students can learn at their own pace. Students will learn individual pieces that will be performed for the class, will perform with other students in the class, and also a culminating performance in a music gathering for the community.

**Power Standard Course:** No  
**Distribution Requirement:** Effective Communication  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** Music

Cryptology  
**Instructor(s):** Becky Poore

Prime numbers have puzzled and amazed mathematicians for centuries. They are at the center of beautiful patterns. There is no end to them, no way to ever fit them all into a book. They are also what protects every piece of information you send over the internet – pictures, emails, passwords. Behind this is a long story of coders and hackers fighting a battle to secure information. The outcome of these battles have had lasting impacts on our society, and will continue to play a role in how we share information. This class will explore the mathematics behind secret messages, and the role they have played in history. The mathematics of this class is a branch of Mathematics called “Number Theory”, that assumes only the knowledge of addition, subtraction, multiplication, and division. Traditionally not taught until college, number theory is an exploration into the heart of mathematics. This class will solidify your skills in mathematics, and give you a sense of the love of puzzles that drive most mathematicians.

**Power Standard Course:** No  
**Distribution Requirement:** Expanding Knowledge Base  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** Math: Algebra
Through the Looking Glass

Instructor(s): Cindy Elkins
              Malikah Mahone

Explore self-expression and how to effectively communicate your style by using clay, glass, photography, printmaking and painting. Read Lewis Carroll's "Through the Looking Glass" as you dive into the arts and look within yourself. Learn about the history of art making, styles of art and create an "Expo of Art" for the ERS community. Explore your style through visual art, creative writing, reading, and journaling. Students will have the opportunity to develop a sense of their creative self and explore what it means to be an artist. "I can't go back to yesterday - because I was a different person then." Lewis Carroll

Power Standard Course: No
Distribution Requirement: Effective Communication
Credit(s): 1

Required Experience(s): Legacy Project and Reflection

Traditional Disciplines: Visual Art, English
Legacy credit will be supported during this course.

Speaking Drum

Instructor(s): Josue Quintana

In this class you will be exploring the process of putting together your own drum set to write and tell a story through playing drum set. Whether you have had previous experience or are new to playing percussion, this class will help you out at any level you are comfortable with. You will gain different knowledge on music theory, percussion technique, composition theory, and story telling. You will be building and designing your own practice pad, which will be used for most of our skill building. In this class, you will be individually learning how to tell a story through playing your drum set and collectively composing a piece for the community.

Power Standard Course: No
Distribution Requirement: Effective Communication
Credit(s): 1

Required Experience(s):

Traditional Disciplines: Music