## ER 67 Fall Classes

<table>
<thead>
<tr>
<th>AM 1st 5 weeks</th>
<th>PM 1st 5 weeks</th>
<th>AM 2nd 5 weeks</th>
<th>PM 2nd 5 weeks</th>
</tr>
</thead>
</table>
| **What is Education for? (A)**  
LFJ PS  
John, Kelton  
LRC – Sage (up)  
You are What you Eat (A)  
CHLC PS  
Janet, Ally  
Science Lab  
Research (A)  
EKB PS  
Dan H. Brett  
LRC – Kinnikinnik (down)  
Riverwatch  
CHLC  
Jon, Staci  
Science Bldg - Lower  
Feeling Lucky  
EKB  
Becky, Helen  
Science Bldg - Upper | **Exposure (A)**  
EC PS  
Cindy, Claire  
Art Bldg - Lower  
The People's History (A)  
ECG PS  
Eriq, Maya  
LRC – Yarrow (up)  
Coaching  
CHLC  
Anna, Chris  
Field or Science Bldg - Lower  
Connections in Wood  
ECG  
John  
Art Bldg - Woodshop | **What is Education for? (B)**  
LFJ PS  
John, Kelton  
LRC – Sage (up)  
You are What you Eat (B)  
CHLC PS  
Janet, Ally  
Science Lab  
Research (B)  
EKB PS  
Dan H. Brett  
LRC – Kinnikinnik (down)  
American Sign Language - ASL  
EC  
Brighid  
LRC – Cinquetoil (down)  
Math 4 Life  
CHLC  
Becky, Bea, Helen  
Science Bldg - Upper  
Human Canvas  
EC  
Cindy, Claire  
Art Bldg - Lower  
Courageous Conversations  
ECG  
Eriq, Maya  
LRC – Yarrow (up) | **Exposure (B)**  
EC PS  
Cindy, Claire  
Art Bldg - Lower  
The People's History (B)  
ECG PS  
Eriq, Maya  
LRC – Yarrow (up)  
Entrepreneurship  
EKB  
Dan H. Brett  
LRC – Sage (up)  
Learn to Swim  
CHLC  
Anna, Chris  
Pool or Science Bldg - Lower  
Cryptography  
EKB  
Becky, Helen  
Science Bldg - Upper  
Theater Tech  
EC  
Meg, Michael  
Art Bldg - Woodshop |
### What is Education For?

**Instructor(s):** John Guffey, Kelton Hall

What is education for? Come and find out for yourself. We will begin our quest by looking at the foundational role of philosophy in education. This we will do by answering three questions: What is real? What is true? What is good? We will then research the meaning and history of education as it has been delivered and experienced in the United States. We will develop our own tools for making observations and we will use these tools while visiting schools where different curricula, teaching methods and student populations are present. Applying what is learned from firsthand observations, from history, personal experience and context, each of you will prepare and present your own Leadership for Justice action plan for improving education in the context of Eagle Rock’s mission and vision. Finally, the class will plan and conduct a mini-conference bringing together different voices in dialogue arriving at new insights and directions in response to the perennial question, “What Is Education For?”

**Power Standard Course:** Yes Leadership For Justice  
**Distribution Requirement:** Leadership For Justice  
**Required Experience(s):** Public Service Presentation, Philosophy of Service  
**Traditional Disciplines:** Government/Civics, History: US, Science: Biology  

Must be in 4th or later trimester to complete the Philosophy of Service credit.

### You Are What You Eat

**Instructor(s):** Janet Johnson, Ally Bolger

By examining what we eat, we will learn how the foods we consume impact our daily and long-term health. We will track our food choices, discover how those food choices affect our bodies, and then make predictions about our future health based on our current choices. Both individual and group work will be required in this class. Sign up and figure out how what you eat today will impact your health tomorrow.

**Power Standard Course:** Yes Creating Healthy Life Choices  
**Distribution Requirement:** Creating Healthy Life Choices  
**Required Experience(s):**

**Traditional Disciplines:** Science: Biology

### Research

**Instructor(s):** Daniel Hoffman, Brett Youngerman

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  
**Required Experience(s):**

**Traditional Disciplines:** English
### Riverwatch Citizen Science
**Instructor(s):** Jon Anderson, Anastacia Galloway

(Do you know) What makes a river healthy? Are you interested in learning how to fly-fish? In this class, we will explore the health of the Big Thompson River, while engaging in the sport of fly fishing. We will collect both water samples and macroinvertebrates (bugs) of the Big Thompson River. We will analyze these samples which will help us to determine the river’s health. Our data will then be used by the Colorado Watershed Assembly to develop and maintain water quality standards and by YOU to create a data driven infographic. Students interested in this class will be expected to be outside 2-3 days a week (in all kinds of weather!) and to learn about and participate in fly fishing and river water and macroinvertebrate collections. Students should also expect to get lunch KP covers throughout the five weeks.

**Power Standard Course:** No  
**Distribution Requirement:** Creating Healthy Life Choices  
**Credit(s):** 1

| Traditional Disciplines: | Physical Education | Science: Biology |

### Feeling Lucky
**Instructor(s):** Becky Poore, Helen Higgins  

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!

**Power Standard Course:** No  
**Distribution Requirement:** Expanding Knowledge Base  
**Credit(s):** 1

| Traditional Disciplines: | Math: Statistics |

### Digital Portfolio Workshop
**Instructor(s):** Beth Ellis  

Develop an online presence by creating a professional digital portfolio showcasing work from Eagle Rock and beyond. In this class, you will focus on digital literacy and digital citizenship as you explore different platforms and content for digital portfolios. Your final project will be to create a professional digital portfolio of your work and make recommendations for incorporating digital portfolios into Eagle Rock’s curriculum.

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

| Traditional Disciplines: | English |
### La Telenovela

**Instructor(s):** Brighid Scanlon

In this class, you will analyze and create your own Spanish-language "soap opera" episodes. You will gain insight into telenovela structure, characters, and themes by looking at real telenovelas. You will also refine reading, writing, listening, and speaking skills in Spanish by watching telenovela episodes and working on your Spanish in class. As a final project, you will script and film your own telenovelas in which you play the characters as well as do all of the required behind-the-scenes production work. We will work on acting as well as filming and directing techniques to produce the final episodes. If you are really looking to challenge yourself, advance your reading and writing in Spanish and are ready to act on-screen, this is the class for you.

**Power Standard Course:** Yes  
**Effective Communication**

**Distribution Requirement:** Effective Communication  
**Credit(s):** 2

**Required Experience(s):**

**Traditional Disciplines:** World Lang: Spanish  
Performance

### Exposure

**Instructor(s):** Cindy Elkins  
Claire Oliphant

If a picture tells a thousand words, imagine the power of effectively communicating with your photos and writing combined. In this class you will practice different methods of photography as well as a variety of writing forms to explain your thoughts and feelings on important issues. Learn traditional black & white film photography, a variety of writing styles as well as phone editing of your digital photos. Learn how to educate your audience as you guide them to understand your chosen content. Study modern and historically significant photographers and develop strength as an artist.

**Power Standard Course:** Yes  
**Effective Communication**

**Distribution Requirement:** Effective Communication  
**Credit(s):** 2

**Required Experience(s):**

**Traditional Disciplines:** Visual Art  
English

### The People’s History

**Instructor(s):** Eriq Acosta  
Maya Edery

We will examine U.S. History through various perspectives: African American, American Indian, Asian American, and Latino American points of view. We will examine individuals and groups who had an impact on history and their styles of change/leadership. As we better understand our past, we may more clearly understand where we are today, how we fit in, and how it affects us as individuals and as the groups mentioned above. A strong focus will be on the importance of change that happened as outside groups stepped in and collaborated in change efforts. We will use our perspectives on the past to explore and possibly construct ideas and or ways we can have an impact today and in the future through our own leadership for change.

**Power Standard Course:** Yes  
**Engaged Global Citizen**

**Distribution Requirement:** Engaged Global Citizen  
**Credit(s):** 2

**Required Experience(s):**

**Traditional Disciplines:** History: US
### Piano Studio
**Instructor(s):** Meghan Tokunaga-Scanlon, Michael Grant

Have you ever wanted to learn how to play that song you heard on the radio, write your own music, or tackle your fear of performance? 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

---

### Coaching
**Instructor(s):** Anna Magie-Haberek, Chris Iafrati

What characteristics make up a good coach? 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 take an in-depth look at the game of soccer, receive feedback on our coaching and our coaching lesson plans, learn how to plan engaging soccer practices, and most of all 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.

- **Power Standard Course:** No
- **Distribution Requirement:** Creating Healthy Life Choices
- **Credit(s):** 1
- **Required Experience(s):**
- **Traditional Disciplines:** Physical Education

---

### Connections in Wood
**Instructor(s):** John Guffey

Engage in the art and craft of building with wood, straw and earth. In this class we will finish the straw bale shed and design and construct additional improvements in the Eagle Rock garden and greenhouse. We will practice creativity and precision in the process of completing the design, layout, and construction of specific projects and structural improvements in this area of our campus. We will practice problem solving, care and use of tools, creative design, planning, and collaboration with other members of the building team. We will become familiar with building materials and with the tools and styles of strawbale builders and associated sustainable crafts people. We will develop skillful techniques and safe construction practices. Together we will develop a demonstration project in sustainability at ERS.

- **Power Standard Course:** No
- **Distribution Requirement:** Engaged Global Citizen
- **Credit(s):** 1
- **Required Experience(s):** Legacy Project and Reflection
- **Service Project and Reflection
- **Traditional Disciplines:** Math: Geometry, English

---
### American Sign Language - ASL

**Instructor(s):** Brighid Scanlon

In this course, you will open doors to communicate with the deaf and hard of hearing communities by learning American Sign Language. You will build your vocabulary, hand gestures, and facial expressions to communicate without speaking. Skills in sign language will be learned through games, fun activities, and lots of practice, and most classes will be completely SILENT (no speaking)! You will learn about deaf culture and communicate with various members of the deaf community to practice your new skills. Prepare to open up your mind: not only to a new language, but also to a new way of experiencing the world.

- **Power Standard Course:** No
- **Distribution Requirement:** Effective Communication
- **Credit(s):** 1
- **Required Experience(s):**
- **Traditional Disciplines:** World Lang: Other

### Math 4 Life

**Instructor(s):** Becky Poore, Helen Higgins, Bea Salazar

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
- **Credit(s):** 1
- **Required Experience(s):** Life Skills Portfolio
- **Traditional Disciplines:** Economics, Math: Algebra

### Human Canvas

**Instructor(s):** Cindy Elkins, Claire Oliphant

This class will study the techniques, symbolism, and history of tattoo art, piercing, and body modifications. We will explore why different cultures adorn the human body. Learn henna and theatrical make up techniques as we study ancient and modern rituals around body art. Bring your own knowledge to this class and be ready to expand your thinking around what is beautiful. Dare to ask questions and seek answers around why people do what they do to their bodies.

- **Power Standard Course:** No
- **Distribution Requirement:** Effective Communication
- **Credit(s):** 1
- **Required Experience(s):**
- **Traditional Disciplines:** Visual Art, History: World
<table>
<thead>
<tr>
<th>Course Descriptions</th>
<th>ER 67</th>
<th>Fall 2015 Trimester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Courageous Conversations</strong></td>
<td>ER 67</td>
<td>Morning 2nd 5 Weeks</td>
</tr>
<tr>
<td>Instructor(s):</td>
<td>Eriq Acosta</td>
<td>Maya Edery</td>
</tr>
<tr>
<td>Join us as we explore important topics around racial identity, racism, classism, genderism etc. How are we a part of this, and how does it affect us? We will also explore ways to successfully communicate, be respectful and be open to these various topics, and examine tools to be effective while listening and communicating. We will start by developing recording/video diary about your racial identity (who you are), and then explore a topic listed above. You will conduct research on this topic and facilitate a way to help others understand your point of view and be able to successfully utilize the tools taught. Finally you will put together all these skills (digital editing, facilitation/communication and learning more about identity) in order to host a courageous conversation in our community.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Standard Course:</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Distribution Requirement:</td>
<td>Engaged Global Citizen</td>
<td></td>
</tr>
<tr>
<td>Required Experience(s):</td>
<td>Credit(s): 1</td>
<td></td>
</tr>
<tr>
<td>Traditional Disciplines:</td>
<td>History: World English</td>
<td></td>
</tr>
<tr>
<td><strong>Entrepreneurship</strong></td>
<td>ER 67</td>
<td>Afternoon 2nd 5 Weeks</td>
</tr>
<tr>
<td>Instructor(s):</td>
<td>Daniel Hoffman</td>
<td>Brett Youngerman</td>
</tr>
<tr>
<td>In this class students will evaluate the concepts of starting something new by going into business for themselves. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements. Alternatively, students may build on their knowledge of starting a business venture and direct that knowledge toward solving a global or local issue. Students can build social businesses, non-profits, or triple bottom-line ventures.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Standard Course:</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Distribution Requirement:</td>
<td>Expanding Knowledge Base</td>
<td></td>
</tr>
<tr>
<td>Required Experience(s):</td>
<td>Credit(s): 1</td>
<td></td>
</tr>
<tr>
<td>Traditional Disciplines:</td>
<td>Economics Math: Statistics English</td>
<td></td>
</tr>
<tr>
<td><strong>Learn to Swim</strong></td>
<td>ER 67</td>
<td>Morning 2nd 5 Weeks</td>
</tr>
<tr>
<td>Instructor(s):</td>
<td>Anna Magle-Haberek</td>
<td>Chris Iafrati</td>
</tr>
<tr>
<td>Do you want to learn how to swim but don't know where to start? Or do you feel comfortable in the water, but don't know how to use the pool to get a workout? Whether you are a beginner, intermediate, or expert, if you want to increase your swimming abilities and fitness this class is for you! We will be in the pool every day learning to swim and getting fit, as well as learning about swimming, fitness, and nutrition. Join us in the HPC and learn to swim!</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Standard Course:</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Distribution Requirement:</td>
<td>Creating Healthy Life Choices</td>
<td></td>
</tr>
<tr>
<td>Required Experience(s):</td>
<td>Credit(s): 1</td>
<td></td>
</tr>
<tr>
<td>Traditional Disciplines:</td>
<td>Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

Eagle Rock School & Professional Development Center Estes Park, CO 80517 (970)586-0600 Class Descriptions ER 59 7/27/2015 Page: 6
<table>
<thead>
<tr>
<th>Cryptography</th>
<th>ER67</th>
<th>Afternoon 2nd 5 Weeks</th>
<th>Shooting Star</th>
</tr>
</thead>
</table>
| Instructor(s): | Becky Poore  
|              | Helen Higgins |
| 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

<table>
<thead>
<tr>
<th>Theater Tech</th>
<th>ER67</th>
<th>Afternoon 2nd 5 Weeks</th>
</tr>
</thead>
</table>
| Instructor(s): | Meghan Tokunaga-Scanlon  
|              | Michael Grant |
| Ever wonder what goes on back stage to bring productions and story to life? Theatre Tech is designed to provide students with a basic understanding of the practical application of theatre production. This class is an introduction to the methods of scenic design and construction, properties design and construction, painting, costumes, and performance management. You will learn the skills required to create and problem solve in order to design and implement a setting that truly reflects the intention of the performance. Skills will include the operation of power tools and equipment. For the final product, you will be designing and constructing the set for the ERS winter musical and will also have the opportunity to learn about and consider stage management positions. |

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