

# COURSES

## ER 64 Class Schedule – Fall 2014

AM 1st 5 weeks	PM 1st 5 weeks	AM 2nd 5 weeks	PM 2nd 5 weeks
Astronomy EKB Sara	You are what you Eat (A) CHLC PS Sara	Math & Money EKB Math IS	You are what you Eat (B) CHLC PS Sara
Research (A) EKB PS Dan H	Kaizen: Ethics, Integrity, Leadership LFJ Jeff, Jac	Research (B) EKB PS Dan H	Sacrificial Poets EC Dan H
The Show Must Go On! EC Cindy & Meghan	Exposure (A) EC PS Cindy	Fiber Arts EC Cindy	Exposure (B) EC PS Cindy
La Telenovela (A) EC PS Brigid	Problem Solving EKB Math IS	La Telenovela (B) EC PS Brigid	Latin Foods & Celebrations EGC Brigid
What is Education for? (A) EGC (+LFJ PS) John	Connections in Wood EC John	What is Education for? (B) EGC (+LFJ PS) John	Musical Improvisation EC Meghan
Lifelong Fitness (A) CHLC PS Anna	Coaching CHLC Anna	Lifelong Fitness (B) CHLC PS Anna	Feeling Lucky EKB Math IS
Riverwatch Citizen Science CHLC Jon	Heartivism (A) EGC PS Diego	Democracy Drowning EGC Diego	Heartivism (A) EGC PS Diego
		Power of Groups LFJ Jon	Mountain Lion Citizen Science EKB Jon



<b>Astronomy</b>	<b>ER64</b>	<b>• Morning 1st 5 Weeks</b>	<b>Science Lab</b>
<b>Instructor(s):</b> Sara Bengé			
<p>Explore universe formation, galaxy formation, and star formation and learn about the common forces applied throughout the universe! In this astronomy course, we will cover everything from the physics of planet and star formation to the chemistry of the universe. We will use a combination of investigation, discussion and night sky observation to gain a better understanding of the universe we live in. We will also compare the composition of stars, planets and Earthly objects in order to gain a better understanding of the properties of matter.</p>			
<b>Power Standard Course:</b> No			
<b>Distribution Requirement:</b> Expanding Knowledge Base		<b>Credit(s):</b> 1	<b>Credit(s):</b>
<b>Required Experience(s):</b>			
<b>Traditional Disciplines:</b> Science: Earth			

<b>Research</b>	<b>ER64</b>	<b>• Morning 10 Weeks</b>	<b>Kinnikinnik</b>
<b>Instructor(s):</b> Daniel Hoffman			
<p>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.</p>			
<b>Power Standard Course:</b> Yes Expanding Knowledge Base			
<b>Distribution Requirement:</b> Expanding Knowledge Base		<b>Credit(s):</b> 2	<b>Credit(s):</b>
<b>Required Experience(s):</b>			
<b>Traditional Disciplines:</b> English			

<b>The Show Must Go On!</b>	<b>ER64</b>	<b>• Morning 1st 5 Weeks</b>	
<b>Instructor(s):</b> Cindy Elkins Meghan Tokunaga-Scanlon			
<p>This class will write and create a play from a selected work of visual art, and develop its story as a final production. This is an opportunity to explore many aspects of your creative self. Join us as we learn how to write, sing, dance, create costumes, develop the set, and perform a show based on a famous artwork. During the first week we will decide on the work of art and explore the history of the time along with the cultural implications of the artwork. Be ready to take on the job of director, production assistant, set designer, actor, etc... because The Show Must Go On!</p>			
<b>Power Standard Course:</b> No			
<b>Distribution Requirement:</b> Effective Communication		<b>Credit(s):</b> 1	<b>Credit(s):</b>
<b>Required Experience(s):</b>			
<b>Traditional Disciplines:</b> Visual Art Music Performance			





<b>La Telenovela</b>	<b>ER64</b>	<b>• Morning 10 Weeks</b>	<b>Kinnikinnik</b>
<b>Instructor(s):</b> Brigid Scanlon			
<p>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 ready to act on-screen, this is the class for you!</p>			
<b>Power Standard Course:</b> Yes Effective Communication			
<b>Distribution Requirement:</b> Effective Communication		<b>Credit(s):</b> 2	<b>Credit(s):</b>
<b>Required Experience(s):</b>			
<b>Traditional Disciplines:</b> World Language: Spanish Performance			

<b>What is Education For: Toward an Ecology of Global</b>	<b>ER64</b>	<b>• Morning 10 Weeks</b>	<b>Sage</b>
<b>Instructor(s):</b> John Guffey			
<p>This course sets out to answer the question: How might our own and future generations be changed by applying principles of ecological science to our system of education? We will study the basic science of ecology, then we will apply the tools of ecology to examine different schools along the front range of Colorado, learning about what they teach and how they serve individuals, communities and the environment. Drawing upon what is gained from the study of ecology, from school history and site visits, as well as from personal experience and prior knowledge, students will prepare and present their own Leadership for Justice action plan for improving education in the context of Eagle Rock's mission and vision.</p>			
<b>Power Standard Course:</b> Yes Leadership For Justice			
<b>Distribution Requirement:</b> Engaged Global Citizen		<b>Credit(s):</b> 2	<b>Credit(s):</b>
<b>Required Experience(s):</b> Service Project and Reflection Public Service Presentation			
<b>Traditional Disciplines:</b> Government/Civics History: US Science: Biology			
Must be in 4th trimester or later to attain philosophy of service credit.			

<b>Lifelong Fitness</b>	<b>ER64</b>	<b>• Morning 10 Weeks</b>	
<b>Instructor(s):</b> Anna Magle-Haberek			
<p>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 of fitness, including an analysis of body composition. These results will help us make predictions about our future health and how to improve or maintain our fitness.</p>			
<b>Power Standard Course:</b> Yes Creating Healthy Life Choices			
<b>Distribution Requirement:</b> Creating Healthy Life Choices		<b>Credit(s):</b> 2	<b>Credit(s):</b>
<b>Required Experience(s):</b>			
<b>Traditional Disciplines:</b> Physical Education Math: Statistics Science: Biology			





<b>River Watch Citizen Science</b>		<b>ER64</b>	<b>• Morning 1st 5 Weeks</b>	<b>Anemone</b>
<b>Instructor(s):</b> Jon Anderson				
<p>Do you know what makes a river healthy? Are you interested in learning how to fly-fish? In this class, we will explore rivers and their health 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 both the Division of Wildlife and the Colorado Watershed Assembly to develop and maintain water quality standards. Students interested in this class will be expected to be outside 2-3 days a week (in all kinds of different 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.</p>				
<p><b>Power Standard Course:</b> No</p>				
<b>Distribution Requirement:</b> Creating Healthy Life Choices		<b>Credit(s):</b> 1		<b>Credit(s):</b>
<b>Required Experience(s):</b>				
<b>Traditional Disciplines:</b> Science: Biology Physical Education				

<b>You are What You Eat</b>		<b>ER64</b>	<b>• Afternoon 10 Weeks</b>	<b>Science Lab</b>
<b>Instructor(s):</b> Sara Bengé				
<p>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.</p>				
<p><b>Power Standard Course:</b> Yes Creating Healthy Life Choices</p>				
<b>Distribution Requirement:</b> Creating Healthy Life Choices		<b>Credit(s):</b> 2		<b>Credit(s):</b>
<b>Required Experience(s):</b>				
<b>Traditional Disciplines:</b> Science: Biology				

<b>Kaizen: Ethics, Integrity, Leadership</b>		<b>ER64</b>	<b>• Afternoon 1st 5 Weeks</b>	<b>Dojo &amp; Sage</b>
<b>Instructor(s):</b> Jeff Liddle Jacques Fournet II				
<p>True leadership works best when how you lead is who you are. In this course we will explore the connection between mind, body, and spirit through reading, writing, giving and receiving feedback, and doing physical practices that include yoga, physical training, martial arts, and meditation. You will have the opportunity to do deep personal work that will open up new possibilities for you. You will work very hard and have the opportunity to surpass your limitations. We will be reading, writing, and working with your moral and ethical code. It is helpful if you are in a leadership role so you can practice what you learn in this class. For example, if you are a house leader, KP leader, or have some other leadership role in the community you will be in a better position to apply these lessons. There will be a lot of team work in this class. Material from this class may fit well into your leadership for justice power standard portfolio.</p>				
<p><b>Power Standard Course:</b> No</p>				
<b>Distribution Requirement:</b> Leadership For Justice		<b>Credit(s):</b> 1		<b>Credit(s):</b>
<b>Required Experience(s):</b> Personal Growth: Mid-Career Portfolio				
<b>Traditional Disciplines:</b> English Physical Education				
The LFJ power standard is not offered in this class but you will generate material that will be of use in that portfolio.				





<b>Exposure</b>	<b>ER64</b>	<b>• Afternoon 10 Weeks</b>	<b>Chroma- Downstairs</b>
<b>Instructor(s):</b> Cindy Elkins			
<p>If a picture tells a thousand words and poetry paints pictures with words, think of the power you have when you combine the two. Expose yourself and your audience to what you have to say using old school black and white film photography (that you develop in the dark room), digital photography, and poetry. Learn how to properly display your work and effectively communicate in a mini POL. Develop your confidence as a "photo journalist". Create a poetry slam on campus, and serve the ERS community with an exhibit of work. Effectively communicate your unique point of view with photos and writing!</p>			
<b>Power Standard Course:</b> Yes Effective Communication		<b>Credit(s):</b> 2	<b>Credit(s):</b>
<b>Distribution Requirement:</b> Effective Communication			
<b>Required Experience(s):</b> Legacy Project and Reflection			
<b>Traditional Disciplines:</b> Visual Art English			

<b>Problem Solving: You think YOU'VE got problems?</b>	<b>ER64</b>	<b>• Afternoon 1st 5 Weeks</b>	
<b>Instructor(s):</b>			
<p>Ever had a problem that seemed impossible to figure out? In this math class we will practice the art of problem solving. We will practice recognizing problems, making a plan of attack, and then working on a solution. We will practice the methods mathematicians use and see how they can be used by anyone to solve simple to complex problems. This class will grow and sharpen your problem-solving prowess and give you a strong foundation for logical thinking and algebra. You will learn about your strengths and weaknesses as a problem solver, set goals for your growth and development throughout the course, and finally learn to enjoy mathematics!</p>			
<b>Power Standard Course:</b> No		<b>Credit(s):</b> 1	<b>Credit(s):</b>
<b>Distribution Requirement:</b> Expanding Knowledge Base			
<b>Required Experience(s):</b>			
<b>Traditional Disciplines:</b> Math: Algebra			

<b>Connections in Wood</b>	<b>ER64</b>	<b>• Afternoon 1st 5 Weeks</b>	<b>Redwood</b>
<b>Instructor(s):</b> John Guffey			
<p>Learn the art and craft of making things in the wood shop. Shape, join, sculpt and finish a useful and aesthetically pleasing 3D project. Apply and develop your sense of design, proportion, line and detail. Learn and apply skills in problem solving, layout, measurement, care and use of tools, organization, planning and working cooperatively with other makers. Become familiar with wood, its charms and challenges, and with the traditional tools and styles of craftspeople and makers. Learn basic woodworking techniques and safe shop practices. Expand your horizon from wood to other materials. Make something of value for the community.</p>			
<b>Power Standard Course:</b> No		<b>Credit(s):</b> 1	<b>Credit(s):</b>
<b>Distribution Requirement:</b> Expanding Knowledge Base			
<b>Required Experience(s):</b> Service Project and Reflection		Legacy Project and Reflection	
Philosophy of Service			
<b>Traditional Disciplines:</b> Math: Geometry Economics Visual Art			
<p>Students may choose to do either the service project and reflection OR the legacy project and reflection. Students must be in their 4th or later trimester to earn the philosophy of service credit.</p>			





**Coaching** **ER64** • **Afternoon 1st 5 Weeks**

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

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

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Physical Education

**Heartivism: Putting your Heart into Activism** **ER64** • **Afternoon 10 Weeks**

**Instructor(s):** Diego Duran-Medina

What do you believe in? What does culture have to do with it? What values should we have as a school and as a society? How do we change what we value? Given that before we stand up for something, we must understand where we stand, this course will help you examine ways of communicating messages that change the world. Together, we will explore examples of how others have created messages through developing a voice. At the same time we look to history and society, we will also explore what it means to be an activist at Eagle Rock. Finally, you will choose a topic that you are passionate about and learn how to create powerful podcasts. We will work on three levels in this class: who you are and what you bring to Eagle Rock, the culture of Eagle Rock as an example of our society, and what you want to change in the world once you leave. This class will be based largely on what YOU care about, so bring your voice, ideas and passion.

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

**Distribution Requirement:** Engaged Global Citizen

**Credit(s):** 2

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Government/Civics History: World

**Math & Money** **ER64** • **Morning 2nd 5 Weeks**

**Instructor(s):**

Do you wonder how you might use math after you leave Eagle Rock? Do you plan on getting a job or needing to pay for college? Whatever path you choose after high school, we must all face the financial reality of growing up. This class will explore the math behind managing money, and will help you explore questions you may have about taking control of your financial future. Topics covered may include: interest, how to save money, manage bank accounts, financial growth towards retirement, how to create a budget and how taxes work. If you want to increase your mathematical and financial confidence and understanding, join this class.

**Power Standard Course:** No

**Distribution Requirement:** Expanding Knowledge Base

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Math: Algebra Economics





**Fiber Arts** **ER64** • Morning 2nd 5 Weeks

**Instructor(s):** Cindy Elkins

Tie dye, sew, use resist on silk and cotton, stencil and hand paint on fabric, weave; if this sounds interesting come join a dynamic 5 weeks of exploring fibers! Learn about the history of fiber arts and jump into an exciting, ever changing art form that impacts the fashion world. Make your own clothes or embellish an outdated favorite pair of jeans. Be ready to get a bit messy as we learn all about color and color theory using cloth.

**Power Standard Course:** No

**Distribution Requirement:** Effective Communication

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Visual Art History: World

**Democracy Drowning: New Orleans and Katrina** **ER64** • Morning 2nd 5 Weeks

**Instructor(s):** Diego Duran-Medina

It's been almost a decade since a city drowned. Why does New Orleans matter and why should we care about the events of August 2005? Who was responsible for Katrina happening? Where can we assign responsibility? Does it rest with the federal government and FEMA? Does it rest with the state of Louisiana and its Corps of Engineers? Is the fault with Ray Nagin, Mayor of New Orleans or Kathleen Blanco, Governor of Louisiana for not acting fast enough? What about the residents that refused to evacuate in time, or those who built homes on land which they knew could be flooded if the levees broke? Was it a natural or man-made disaster? Could Katrina happen again and if so, what can we do as citizens? We'll be using Spike Lee's "When The Levees Broke" as a primary tool for understanding what occurred in New Orleans, combining geography, culture, including music, civics and technology to ask "Why does New Orleans matter?"

**Power Standard Course:** No

**Distribution Requirement:** Engaged Global Citizen

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Geography Government/Civics

**Power of Groups** **ER64** • Morning 2nd 5 Weeks **HPC Dojo or Stage**

**Instructor(s):** Jon Anderson

Eagle Rock School is all about groups. KP teams, house/wing teams, classes, intramural teams, and many others are important experiences that we all share. So why not understand them better? In this class we'll study group dynamics and how to effectively use group skills. The class will allow you to either begin your Leadership for Justice power standard portfolio or work on an existing leadership for justice action plan. Be prepared to be active as we will use group initiatives to learn about the dynamics of the groups we lead and are involved in.

**Power Standard Course:** No

**Distribution Requirement:** Leadership For Justice

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Government/Civics Physical Education





**Sacrificial Poets** **ER64** • **Afternoon 2nd 5 Weeks**

**Instructor(s):** Daniel Hoffman

In Sacrificial 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.

**Power Standard Course:** No

**Distribution Requirement:** Effective Communication

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** English Performance

**Días feriados: Latin Foods & Celebrations** **ER64** • **Afternoon 2nd 5 Weeks** **Cinquefoil and**

**Instructor(s):** Brigid Scanlon

In this class, you will examine multiple Latino cultures by learning about their foods and celebrations. You will research a specific region and choose and make a meal or food that represents a celebration in that area. In order to communicate effectively, you will learn words and phrases in Spanish that are useful in the kitchen, and communicate only in Spanish on our cooking days. You will also read and create recipes in the Spanish language. At the end of the class, we will host a multicultural celebration where you share your delicious foods and celebrations with the rest of campus.

**Power Standard Course:** No

**Distribution Requirement:** Engaged Global Citizen

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** World Language: Spanish Geography

**Musical Improvisation** **ER64** • **Afternoon 2nd 5 Weeks**

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

Imagine having to stand in front of an audience and make up a song or speech 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 contexts of improvisation and performance through multiple music stylings. This class will perform live music daily in a music circle or through cipher. Using hand drums or various instruments, each student will play an accompaniment while the soloist improvises. In addition, you will choose two means of improvisation to perform, including playing an instrument, rapping, scatting (singing on nonsense syllables), dance, etc. As long as you are interacting with the music circle and audience, any type of improvisation is appropriate. At the end of the course, this class will perform for the community. As participants, you will learn to apply the skills involved with improvising: organizing coherent thoughts, debating productively, public speaking/performance, cooperating and responding with a theme, and effectively communicating with an audience.

**Power Standard Course:** No

**Distribution Requirement:** Effective Communication

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Music





**Feeling Lucky? ER64 • Afternoon 2nd 5 Weeks**

**Instructor(s):**

If the casino always wins, why do people gamble? Is there a best way to play roulette, blackjack, and craps? In class, we will gamble, read and discuss gambling issues, and consider whether or not gambling is worth it. 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 that need to be made, 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

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Math: Statistics

**Mountain Lion Citizen Science ER64 • Afternoon 2nd 5 Weeks Anemone**

**Instructor(s):** Jon Anderson

Predators are extremely important to the health of our ecosystems. In the lower 48 we have only a few big mammals left that serve this role. As a student in this citizen science class you will be participating in an on-going mountain lion research study that collects scientific data using remote sensor cameras. These cameras will be located on Eagle Rock's campus and will provide us opportunities to learn about how mountain lions and other mammals both share and influence this space. You will also be asking science-based questions, doing research on them, and then learning about and creating infographics that summarize what you've learned. Students should be prepared to be outside up to three days a week.

**Power Standard Course:** No

**Distribution Requirement:** Expanding Knowledge Base

**Credit(s):** 1

**Credit(s):**

**Required Experience(s):**

**Traditional Disciplines:** Science: Biology

**Wilderness ER 64 ER64 • All Day 1st 5 Weeks Various**

**Instructor(s):** Jesse Beightol  
Matt Bynum

The new student wilderness experience begins with ERS 101, Show Me the Love, Wilderness Prep, and Evening Gathering during the first week on campus. These classes serve as an orientation to the school and the wilderness experience. This week is followed by a 24-day wilderness expedition including camping, backpacking, leadership, teamwork, navigation/map reading, conflict resolution, extensive journal writing for content and communication skills. The expedition also includes a 72 hour solo, service learning project (trail-building & trail maintenance), and concludes with a run-in. To fully complete the wilderness experience students must present a Wilderness Presentation of Learning and fulfill any obligations that carry over from the wilderness trip itself.

**Power Standard Course:** No

**Distribution Requirement:** Creating Healthy Life Choices

**Credit(s):** 1 Engaged Global Citizen

**Credit(s):** 1

**Required Experience(s):** New Student Wilderness Experience

Wilderness POL

**Traditional Disciplines:** Physical Education English

