

# COURSES

Eagle Rock School

ER – 45 Summer 2008

Block Class Schedule

## EXPLORE WEEK

BLOCK 1		All Day
<i>Morning</i>	<p><b>Food, Farming, &amp; Forgiveness</b> (10 week class) (Tim, Laura, John)</p> <p><b>For the Birds</b> (Janet &amp; Brian)</p> <p><b>River Watch</b> (Jon)</p> <p><b>On With the Show</b> (10 week class) (Shaun)</p>	<p><b>Let it Ride! The Physics of Mtn Biking</b> (Ben, Andy, Michael R., Saul)</p> <p><b>Renaissance Women</b> (Hannah &amp; Melissa)</p> <p><b>P2 [Photography + Poetry]</b> (Eva, Libby, Cindy)</p>
<i>Afternoon</i>	<p><b>Sex, Drugs, &amp; Rock n Roll</b> (Heather &amp; Brian)</p> <p><b>Hot Summer Nights</b> (10 week class) (Shaun)</p> <p><b>Free Form Funkified Fiddles: Guitar</b> (5 or 10 week class) (Mo)</p>	

BLOCK 2		All Day
<i>Morning</i>	<p><b>Food, Farming, &amp; Forgiveness</b> (10 week class) (Tim, Laura, John)</p> <p><b>Decisions: Game &amp; Economic Theory</b> (Michael R. &amp; Andy)</p> <p><b>Getting Primitive</b> (Eva &amp; Rob)</p> <p><b>On With the Show</b> (10 week class) (Shaun)</p>	<p><b>RMNP Internship</b> (Jon)</p> <p><b>Colorado Rocks!</b> (Libby, Brian, Jon)</p>
<i>Afternoon</i>	<p><b>Hot Summer Nights</b> (10 week class) (Shaun)</p> <p><b>Balancing Act</b> (Heather &amp; Michael R.)</p> <p><b>Art is Life / Life is Art</b> (Eva, Laura, Melissa)</p> <p><b>ERS Cares</b> (John &amp; Hannah)</p> <p><b>Free Form Funkified Fiddles: Guitar</b> (5 or 10 week class) (Mo)</p>	

**Note:** unless noted, all classes are 5 weeks long. If it says "10 week class," then you must enroll in the class for the entire 10 weeks. For the guitar class, you can take it for the entire 10 weeks or only the first 5 weeks or only the second 5 weeks. There are no specials classes this summer.



# Eagle Rock School ER 45 Class Descriptions

## Summer Trimester



### Food, Farming, and Forgiveness

**Period: Morning 10 weeks**

**Classroom:** Period: Morning 10 weeks

**Instructor(s):** Tim John

**Fellow(s):** Laura

**Trimester #: 45**

**Course Description**

Using the non-violent communication (NVC) model, we will study conflict among people across race and culture and explore examples of forgiveness from South African, Lakota and Irish history. We will also look at the common thread of our humanity through farming and cooking.

Class will spend one day a week on the farm and ample time cooking in the kitchen and working in the ERS herb garden. Societies & Cultures and NVC curriculum will take place outside on ERS campus.

**Potential ILP Requirements**

S & C - Geography: Cultural Geography Project

S & C - World History: Political Theory Project

S & C - United States History: Political Theory Project

S & C - World History: Power Relations Project

S & C - United States History: Power Relations Project

S & C - World History: Growth and Transition Project

S & C - United States History: Technological Evolutions

Service Learning - Portfolio

**ILP Notes:**

### On With The Show!

**Period: Morning 10 weeks**

**Classroom:** Period: Morning 10 weeks

**Instructor(s):** Shaun

**Fellow(s):**

**Trimester #: 45**

**Course Description**

Show business is a multi-billion dollar worldwide industry that takes creativity, business savvy and lots of guts. This course surveys the important aspects of business and entrepreneurship. Each week will start off with a round table discussion with Christine Lemaire, an entrepreneur, who has successfully started and sold four, multi-million dollar companies. Through practical experience students will learn practical business ideas and skills while producing the Eagle Rock School's summer musical, "Hot Summer Nights." Topics will include: Overview of Business- Business Ethics and the Show Business Industry; Accounting- Raising Capital, Financing, Introduction to Accounting; Marketing- Finding Core Market, Internet, Website Design, Advertising Design; Leadership skills, Human Resources; Lighting- Design, Wattage; Types of Current; Sound- Design, Frequency and effects.

**Potential ILP Requirements**

Career Development / Life Skills - Interest Portfolio

Performance - Public Performance

Mathematics - Portfolio (1)

Performance - Rehearsal Period

Technology - Multimedia Presentation

Science - Portfolio (1)

**ILP Notes:** Optional: Music Theory

### For the Birds

**Period: Morning 1st 5 weeks**

**Classroom:** Period: Morning 1st 5 weeks

**Instructor(s):** Janet

**Fellow(s):** Brian

**Trimester #: 45**

**Course Description**

Throughout this course we will be researching bird breeding behavior in Rocky Mountain National Park as part of an ongoing, nation wide study through Cornell University Lab of Ornithology. The research we conduct, along with the study of bird biology and behavior, will constitute the science portion of this course. In addition, we will investigate the environmental issues surrounding birds and their habitats, both in Rocky Mountain National Park and throughout the United States. **Most of this class will be spent outside. Since the birds are up early, we will also need to miss morning gathering and specials on several different occasions.**

**Potential ILP Requirements**

Environmental Studies - Environmental Issue: Composition

Environmental Studies - Environmental Issue: Presentation

Environmental Studies - Environmental Action Project

Science - Portfolio (1)

**ILP Notes:**

**River Watch****Period: Morning 1st 5 weeks****Classroom:** Period: Morning 1st 5 weeks**Instructor(s):** Jon**Trimester #: 45****Fellow(s):****Course Description**

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 art of fly-fishing. We will collect water samples of the Big Thompson River, and then analyze their health through water quality testing back at Eagle Rock. Our data will then be used by both the Division of Wildlife and the Big Thompson Watershed Forum to develop and maintain water quality standards. We will also discuss the role of citizen-science as a form of service. **Students interested in this class are expected to be prepared to be outside 2-3 days a week (for fly fishing and river water collection), hiking into remote areas of Rocky Mountain National Park to fish, and starting class 1-2 days a week early (either before morning exercise or gathering).**

**Potential ILP Requirements**

Environmental Studies - Environmental Issue: Composition

Human Performance - Activities Presentation

Environmental Studies - Environmental Action Project

Service Learning - Portfolio

**ILP Notes:****Hot Summer Nights****Period: Afternoon 10 weeks****Classroom:** Period: Afternoon 10 weeks**Instructor(s):** Shaun**Trimester #: 45****Fellow(s):****Course Description**

**By Audition Only.** You can be in Eagle Rock School's summer production "Hot Summer Nights." Not only will you learn the skills necessary to perform in a musical production- singing, acting, dance; but you will also be able to help write the show! You will learn all about scriptwriting, lyric writing and basic music theory and keyboarding skills.

**Potential ILP Requirements**

Writing - Creative Writing (Literature Class if Possible)

Performance - Public Performance

Personal Growth - Portfolio I

Music - Project: Music Theory

Music - Presentations (1)

**ILP Notes:****Sex, Drugs, & Rock 'n Roll****Period: Afternoon 1st 5 weeks****Classroom:** Period: Afternoon 1st 5 weeks**Instructor(s):****Trimester #: 45****Fellow(s):** Brian Heather**Course Description**

"Sex, Drugs and Rock n' Roll!" The phrase was coined in the 1970s, but the topics still greatly affect our lives today. How does sex affect our brain and why is it so enjoyable? What affects do drugs have on our mind and body? How does society play into our perception of these topics? We will be digging into the brain to see what's in there (literally...with some sheep brain dissection) as well as philosophically to answer these questions and more!

**Potential ILP Requirements**

Science - Portfolio (1)

Literature - Discussion Skill: Participant (1)

Literature - Discussion Skill: Leader (1)

Art - Fine Art / Art History Portfolio

**ILP Notes:**

**Free Form Funkafied Fiddles: Guitar****Period: Afternoon 1st 5 weeks****Classroom:** Period: Afternoon 1st 5 weeks**Instructor(s):** Mo**Trimester #:** 45**Fellow(s):****Course Description**

This course is for beginner, intermediate, and advanced guitar players who wish to develop their dexterity, theory base, and performance abilities. Guitar exercises will be done on a daily basis including scale patterns, chord progressions, and diagonal runs. Theory will include scale and mode logic, chord construction, circle of fifths (key changes), tension, resolution, assonance, dissonance, rhythm, melody, and harmony. Students will compose and perform solo, duet, and group arrangements. Each student will gain the basic knowledge of stringing, tuning, and caring for the guitar. Essential physics of sound will also be explained so students understand why music sounds good, bad, uneasy, strange, awkward, harmonious, or unoriginal. The class will also dig into the roots of American popular music spanning the last two hundred years.

**Potential ILP Requirements**

Music - Project: Music History

Music - Performances (Band/Choir/Orchestra)

Performance - Rehearsal Period

Music - Project: Music Theory

Performance - Public Performance

**ILP Notes:****Renaissance Women****Period: All Day 1st 5 weeks****Classroom:** Period: All Day 1st 5 weeks**Instructor(s):****Trimester #:** 45**Fellow(s):** Hannah Melissa**Course Description**

**LADIES ONLY!!!!** Are you a 'Renaissance Woman'? Have you ever dreamed of participating in a **triathlon**? In this class we will discuss what makes up a 'well-rounded' individual while exploring the thoughts and ideas behind the term 'Renaissance Man'. We will then turn these ideas into practice and look at how we are affected by such things as physical fitness, artistic expression, civic engagement, and an expanding knowledge base. During this process we will also be training for a sprint triathlon! Come prepared to expand your horizons and push your limits!

**Potential ILP Requirements**

Human Performance - Personal Health / Fitness Portfolio

Human Performance - Aquatic Skills

Literature - Discussion Skill: Leader (1)

Human Performance - Activities Presentation

Service Learning - Portfolio

**ILP Notes:** Others Options Possible: Art Portfolio, Public Service Presentation, Music History, Music Presentation**P2 [Photography + Poetry]****Period: All Day 1st 5 weeks****Classroom:** Period: All Day 1st 5 weeks**Instructor(s):** Cindy**Trimester #:** 45**Fellow(s):** Eva Libby**Course Description**

From darkroom to digital and from pen to the page, we'll be spending our time exploring the realms of photography and poetry from the inside out. This is a class for expression at any level- whether you taking your first snaps as a photographer or writing your thousandth poem- we'll be investigating the world around us and creating art and poetry in reflection and and expression. With field trips to area museums, poetry slams, open mics, and art galleries, we will be creating the foundation for visual and verbal inspiration.

**Potential ILP Requirements**

Art - Crafts / Art History Portfolio

Writing - Creative Writing (Literature Class if Possible)

Writing - Review (Book, Movie, CD, Show, Restaurant)

Art - Fine Art / Art History Portfolio

Writing - Essay of Explanation

**ILP Notes:** Optional: Some societies & cultures credit may be possible.

**Let it Ride! The Physics of Mountain Biking****Period: All Day 1st 5 weeks****Classroom: Period:** All Day 1st 5 weeks**Instructor(s):****Fellow(s):** Michael R. Ben Andy Saul**Trimester #: 45****Course Description**

Ever wonder how a mountain bike works? Ever wonder why it's so easy to ride downhill and so hard to go back uphill? In this course you will gain experience riding a mountain bike while also learning about connections between the math and physics that dictate how a mountain bike works. We'll spend half the time outside riding beautiful trails around Estes Park and Boulder. The other half of the time we will complete labs investigating forces and motions, such as the conservation of energy, and how they apply to our mountain biking experiences. Never ridden a mountain bike? No problem! Ride everyday at home? Great! This course is for all levels of riders with curious minds.

**Potential ILP Requirements**

Mathematics - Portfolio (1)

Human Performance - Activities Presentation

Science - Portfolio (1)

**ILP Notes:****Food, Farming, and Forgiveness****Period: Morning 10 weeks****Classroom: Period:** Morning 10 weeks**Instructor(s):** Tim John**Fellow(s):** Laura**Trimester #: 45****Course Description**

Using the non-violent communication (NVC) model, we will study conflict among people across race and culture and explore examples of forgiveness from South African, Lakota and Irish history. We will also look at the common thread of our humanity through farming and cooking.

Class will spend one day a week on the farm and ample time cooking in the kitchen and working in the ERS herb garden. Societies & Cultures and NVC curriculum will take place outside on ERS campus.

**Potential ILP Requirements**

S &amp; C - Geography: Cultural Geography Project

S &amp; C - United States History: Power Relations Project

S &amp; C - World History: Political Theory Project

S &amp; C - World History: Growth and Transition Project

S &amp; C - United States History: Political Theory Project

S &amp; C - United States History: Technological Evolutions

S &amp; C - World History: Power Relations Project

Service Learning - Portfolio

**ILP Notes:****On With The Show!****Period: Morning 10 weeks****Classroom: Period:** Morning 10 weeks**Instructor(s):** Shaun**Fellow(s):****Trimester #: 45****Course Description**

Show business is a multi-billion dollar worldwide industry that takes creativity, business savvy and lots of guts. This course surveys the important aspects of business and entrepreneurship. Each week will start off with a round table discussion with Christine Lemaire, an entrepreneur, who has successfully started and sold four, multi-million dollar companies. Through practical experience students will learn practical business ideas and skills while producing the Eagle Rock School's summer musical, "Hot Summer Nights." Topics will include: Overview of Business- Business Ethics and the Show Business Industry; Accounting- Raising Capital, Financing, Introduction to Accounting; Marketing- Finding Core Market, Internet, Website Design, Advertising Design; Leadership skills, Human Resources; Lighting- Design, Wattage; Types of Current; Sound- Design, Frequency and effects.

**Potential ILP Requirements**

Career Development / Life Skills - Interest Portfolio

Technology - Multimedia Presentation

Performance - Public Performance

Mathematics - Portfolio (1)

Science - Portfolio (1)

Performance - Rehearsal Period

**ILP Notes:** Optional: Music Theory

**Gettin' Primitive-Quest for Fire****Period: Morning 2nd 5 Weeks****Classroom:** Period: Morning 2nd 5 Weeks**Instructor(s):****Fellow(s):** Rob Eva**Trimester #: 45****Course Description**

Cars, houses, cell phones, computers, heaters, air conditioning, grocery stores are not a part of this course (or, at least, not that much). What did people do 100, 200, a thousand years ago to survive? Come find out in this class as we explore primitive fire making, tool making, tracking, edible plant identification, primitive fishing, primitive pottery, and basket making. Learn to use your all your senses to survive –even thrive, with minimal modern equipment. Plan on being outside all morning, working with your hands, and getting back to our roots.

**Potential ILP Requirements**

Art - Crafts / Art History Portfolio

Human Performance - Activities Presentation

**ILP Notes:****Decisions: Game & Economic Theory****Period: Morning 2nd 5 Weeks****Classroom:** Period: Morning 2nd 5 Weeks**Instructor(s):****Fellow(s):** Michael R. Andy**Trimester #: 45****Course Description**

Everyone (from individuals to governments) must make economic choices and decisions because of limited resources. Strategic situations exist when the right decision for one person depends upon the actions taken by another. Making decisions in these situations is often complex because one must take into account the actions taken or likely to be taken by others. Will the other individuals be concerned with the betterment of themselves, or with the betterment of the whole? Most business decisions are likely to be made in this context. To aid in our understanding of economic theory, a good portion of the course will focus on game theory.

**Potential ILP Requirements**

Mathematics - Portfolio (1)

S &amp; C - United States History: Growth and Transition

**ILP Notes:****Hot Summer Nights****Period: Afternoon 10 weeks****Classroom:** Period: Afternoon 10 weeks**Instructor(s):** Shaun**Fellow(s):****Trimester #: 45****Course Description**

**By Audition Only.** You can be in Eagle Rock School's summer production "Hot Summer Nights." Not only will you learn the skills necessary to perform in a musical production- singing, acting, dance; but you will also be able to help write the show! You will learn all about scriptwriting, lyric writing and basic music theory and keyboarding skills.

**Potential ILP Requirements**

Writing - Creative Writing (Literature Class if Possible)

Performance - Public Performance

Personal Growth - Portfolio I

Music - Project: Music Theory

Music - Presentations (1)

**ILP Notes:**

**Art is Life / Life is Art****Period: Afternoon 2nd 5 Weeks****Classroom:** Period: Afternoon 2nd 5 Weeks**Instructor(s):****Fellow(s):** Eva Laura Melissa**Trimester #: 45****Course Description**

Spend the summer with a sketchbook in your hands as we explore our surroundings through art. We will be seeing, drawing, and sculpting art from around the world. From the woods of Eagle Rock to the streets of Denver, we will also be exploring the place, culture and environment that defines our art, our lives and ourselves.

**Potential ILP Requirements**

Art - Crafts / Art History Portfolio

S &amp; C - World History: Power Relations Project

S &amp; C - Geography: Cultural Geography Project

**ILP Notes:****Balancing Act****Period: Afternoon 2nd 5 Weeks****Classroom:** Period: Afternoon 2nd 5 Weeks**Instructor(s):****Fellow(s):** Michael R. Heather**Trimester #: 45****Course Description**

What is balance? We will determine the answer to this question through the course of this class. Algebraic equations, art, and physical activities will be a part of our day!

**Potential ILP Requirements**

Mathematics - Portfolio (1)

Art - Fine Art / Art History Portfolio

Art - Crafts / Art History Portfolio

**ILP Notes:****Eagle Rock Cares****Period: Afternoon 2nd 5 Weeks****Classroom:** Period: Afternoon 2nd 5 Weeks**Instructor(s):** John**Fellow(s):** Hannah**Trimester #: 45****Course Description**

In this class you will take on an internship with a local agency that is committed to youth voice, civic engagement and service-learning. Not only will you gain the valuable skills that come with doing real life work but also you will develop and complete a project that will benefit others in the community. You may choose your internship from a range of opportunities such as EagleServe Planning Committee, Victim Advocates, Sustainable Mountain Living, Rocky Mountain National Park, Larimer County Division of Parks and Open Space, Town of Estes Park, Local Roots Food Co-op, Estes Valley Division of Parks and Recreation, the Senior Citizen Center, Community Art Center, or the History Museum.

**Potential ILP Requirements**

Service Learning - Legacy Project

Service Learning - Public Service Presentation

Environmental Studies - Environmental Action Project

Service Learning - Portfolio

S &amp; C - Civics: Community Action &amp; Education Project

**ILP Notes:** Environmental Action and Community Action & Education Projects depend upon student projects

**Free Form Funkafied Fiddles: Guitar****Period: Afternoon 2nd 5 weeks****Classroom:** Period: Afternoon 2nd 5 weeks**Instructor(s):** Mo**Trimester #:** 45**Fellow(s):****Course Description**

This course is for beginner, intermediate, and advanced guitar players who wish to develop their dexterity, theory base, and performance abilities. Guitar exercises will be done on a daily basis including scale patterns, chord progressions, and diagonal runs. Theory will include scale and mode logic, chord construction, circle of fifths (key changes), tension, resolution, assonance, dissonance, rhythm, melody, and harmony. Students will compose and perform solo, duet, and group arrangements. Each student will gain the basic knowledge of stringing, tuning, and caring for the guitar. Essential physics of sound will also be explained so students understand why music sounds good, bad, uneasy, strange, awkward, harmonious, or unoriginal. The class will also dig into the roots of American popular music spanning the last two hundred years.

**Potential ILP Requirements**

Music - Project: Music History

Music - Performances (Band/Choir/Orchestra)

Performance - Rehearsal Period

Music - Project: Music Theory

Performance - Public Performance

**ILP Notes:****Colorado Rocks!****Period: All Day 2nd 5 weeks****Classroom:** Period: All Day 2nd 5 weeks**Instructor(s):** Jon**Trimester #:** 45**Fellow(s):** Brian Libby**Course Description**

Imagine... Climbing high above the ground entirely focused on your movement, reading the stories that others have told and writing your own, all the while looking deep into the rocks for the stories they have to tell. This class is a combination of climbing, reading, writing, and geology. We will use each of these as a lens to examine CHANGE in both the natural world and in ourselves. Twice each week we will be climbing. Some climbing days we will be getting up group gear, prepared to hike, carry group gear, and be outside all day.

**Potential ILP Requirements**

Literature - Discussion Skill: Leader (1)

Environmental Studies - Environmental Issue: Composition

Science - Portfolio (1)

Literature - Discussion Skill: Participant (1)

Human Performance - Activities Presentation

Writing

**ILP Notes:** One of the following: Persuasive essay, Essay of explanation, Creative writing, Review

**Rocky Mountain National Park Internship****Period: All Day 2nd 5 Weeks****Classroom:** Period: All Day 2nd 5 Weeks**Instructor(s):** Jon**Trimester #:** 45**Fellow(s):****Course Description**

In this class you will have the exciting opportunity to do an internship with Rocky Mountain National Park. We are seeking motivated, independent, responsible, and hard working students that will work in the National Park this summer from 2-3 days a week. Not only can this internship turn into a paycheck for you over your August/September break, but it can open up all kinds of career opportunities in the park service. This all day class will occur during the 2nd five weeks of the trimester. Students who are selected for the class will also be on an explore week trip that will have us visiting National Parks both in and out of the state of Colorado!

**Potential ILP Requirements**

**ILP Notes:** Depending on the type of internship, students will have the opportunity to **design their own credit** options.