

COURSES

Eagle Rock School ER 54 Summer 2011 Block Class Schedule

BLOCK 1 – 1 st 5 weeks		BLOCK 2 – 2 nd 5 weeks			
<i>Morning</i>	<p>Refining Research (Ashley, Dave) Expanding Knowledge Base & Power Standard</p> <p>Fighting for Fair Food!! (Tim, Berta, Melissa) Leadership for Justice</p> <p>For the Birds (Janet, Benjamin) Expanding Knowledge Base</p> <p>Inquiring Minds (Robert, Zev) Effective Communication</p> <p>Sketchy Hiking (Laura, Cindy) Effective Communication</p>	<i>All Day</i>	<p>Physics of Mountain Biking (Beth, Dave, Andrew) Expanding Knowledge Base</p> <p>Olympics (Kari, Mari) Leadership for Justice & Power Standard</p>		
<i>Afternoon</i>	<p>Said & Meant (students already chosen)(Ike, Jon B., Laura) Effective Communication & Power Standard</p> <p>For Colored Girls (Ashley, Melissa) Effective Communication & Power Standard</p> <p>You Going to College, Essay? (Denise, Gwen) Effective Communication</p> <p>Math & Social Justice (Benjamin, Zev) Engaged Global Citizen</p> <p>Leaders for Social Change (John) Leadership for Justice</p>	<i>Morning</i>	<p>Refining Research (Ashley, Dave) Expanding Knowledge Base & Power Standard</p> <p>Grow Lab (Janet, Karen) Expanding Knowledge Base</p> <p>Soil, Society, & Sustainability (John, Ike) Engaged Global Citizen</p> <p>Over The Hills & Far Away (Mari, Jonna) Healthy Life Choices</p> <p>Chemistry of Clay (Andrew, Laura) Expanding Knowledge Base</p>	<i>All Day</i>	<p>The Physics of Rock Climbing (Jesse, Benjamin, Kristen) Expanding Knowledge Base</p> <p>RMNP Internship (students already chosen) (Jon A, Gwen) Distribution Credit Customized to Individual Students</p> <p>People & Places of Colorado (Berta, Zev) Engaged Global Citizen & Power Standard</p>
<i>Afternoon</i>	<p>Said & Meant (students already chosen)(Ike, Jon B., Laura) Effective Communication & Power Standard</p> <p>Women's Health (Kirstin, Kari) Healthy Life Choices</p> <p>It's in the Game (Mari, Mark) Healthy Life Choices</p> <p>Star Search (Karen) Expanding Knowledge Base</p> <p>Murals Speak (Cindy, Jonna) Effective Communication & Power Standard</p> <p>The Art of Botany (Andrew, Ashley) Expanding Knowledge Base</p>	<i>Afternoon</i>		<i>Afternoon</i>	

EXPLORE Week

Note: "Said & Meant, and "Refining Research are the only 10 week courses. If you choose them, you are committed to all 10 weeks.



Redefining Research **ER54** • Morning 1st 5 Weeks **Kinickinick**

Instructor(s): Dave Manzella
Ashley Davidson

Does the thought of writing a 10-page research paper make you break out in a cold sweat? During this 10 week course, we will redefine Major Research and complete the Expanding Knowledge Base Power Standard. Instead of approaching your research topic from a single point-of-view, you will create a multi-genre project that will encompass several different perspectives.

THIS IS A 10 WEEK CLASS ALL MORNING.

Power Standard Course: Yes Expanding Knowledge Base

Distribution Requirement: Expanding Knowledge Base

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: English

Fighting for Fair Food **ER54** • Morning 1st 5 Weeks

Instructor(s): Berta Guillen
Tim Phelps
Melissa Santosa

This course will look at the lives of migrant agricultural workers starting with the Bracero Program of 1942 up to and including the present struggles of the Coalition of Imokalee Workers. We will study the intersection between NAFTA, the fast food industry and the treatment of agricultural workers. To get a glimpse of life on a farm, and its connection to our lives, students will work at a local farm once a week.

Power Standard Course: No

Distribution Requirement: Leadership For Justice

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: History: US Economics

For the Birds **ER54** • Morning 1st 5 Weeks

Instructor(s): Janet Johnson
Benjamin Walker

Throughout this course we will be researching bird breeding behavior in Rocky Mountain National Park as part of an ongoing, nationwide study through Cornell University Lab of Ornithology. The research we conduct, along with the study of bird biology and behavior, and how humans impact birds and their habitats, will make up the science portion of this course. Most of this class will be spent outside watching and learning about birds.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Biology



Inquiring Minds **ER54** • Morning 1st 5 Weeks **Camp Ptolemy**

Instructor(s): Robert Burkhardt
Zev Vernon-Lapow

IN THIS CLASS WE WILL THINK, SPEAK, READ AND WRITE ON A DAILY BASIS IN AN OUTDOOR SETTING, WITH A GOAL OF IMPROVING OUR CAPACITIES IN THESE FOUR SKILLS. WE WILL USE A VARIETY OF TEXTS (STORIES, POEMS, LETTERS, ETC.), AND WE WILL ENGAGE WITH EXERCISES IN THINKING/WRITING/SPEAKING/READING EVERY DAY, WITH SPECIFIC QUESTIONS IN MIND, INCLUDING: WHAT IS THE PURPOSE OF WRITING? WHAT MAKES A GOOD WRITER? HOW CAN WE IMPROVE OUR CRITICAL THINKING SKILLS? HOW DOES ONE ANALYZE A PIECE OF WRITING? WHAT MAKES A GOOD SPEAKER? WE WILL PRESENT OUR WORK TO THE EAGLE ROCK COMMUNITY ON JUNE 17. THIS CLASS WILL REQUIRE INTENSE, FULL FOCUS ON A DAILY BASIS.

Power Standard Course: No

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s): None

Traditional Disciplines: English

Sketchy Hiking **ER54** • Morning 1st 5 Weeks

Instructor(s): Laura Nelms
Cindy Elkins

Hike on Eagle Rock property and around the Rocky Mountain National Park looking for artistic inspiration. Create sketches and bring the sketches to the studio to complete artworks in a variety of mediums, oil paints, watercolors, pastels, or fibers to name a few. Find, nurture, and develop the artist within as you observe and record images. Study different eras of landscape artists and how they creatively captured moments in time. Be ready to put on your walking shoes three days a week and exercise your creative side.

Power Standard Course: No

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Visual Art

Said and Meant **ER54** • Afternoon 1st 5 Weeks

Instructor(s): Jon Borodach
Isaac Leslie

Laura Nelms

"Said and Meant" is a comedy comprised of ten short plays that explore how we can use language to mean various, and perhaps unintended, things. Students will act in the play, build the set, and publicize the final production. Students will be required to rehearse and perform on some evenings and weekends on and off campus. Auditions required.

THIS IS A 10 WEEK CLASS ALL AFTERNOON.

Power Standard Course: Yes Effective Communication

Distribution Requirement: Effective Communication

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: English Performance



For Colored Girls **ER54** • **Afternoon 1st 5 Weeks**

Instructor(s): Ashley Davidson
Melissa Santosa

In class, we will read, discuss analyze, understand, write about and perform sections of Ntozake Shange's, "For Colored Girls Who Have Considered Suicide When the Rainbow is Enuf." The course will explore the period of the Women's Liberation Movement, the Black Liberation Movement, and their impact on literature, spoken word, theater, and music. In relation to the dating violence that occurs in the play, students will also have the opportunity to expand their awareness of domestic violence intervention and ways to create healthy relationships by visiting a victim advocacy center that supports abused women. By combining performing arts and the history, this class will help students to express themselves and have an understanding of how social movements are connected to literature.

Power Standard Course: Yes Effective Communication

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: English History: US Performance

You Going to College, Essay? **ER54** • **Afternoon 1st 5 Weeks**

Instructor(s): Denise Lord
Gwen Cagle

How do you learn best? What kind of school will meet your needs? Through this 5-week course, you will examine your previous experiences with education and use what you learn to identify post-secondary options that are right for you. During class, you will navigate the college application process, focusing a significant amount of time on writing and the application essay, and complete at least one college application by the end of the 5 weeks.

Power Standard Course: No

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: English

Math & Social Justice **ER54** • **Afternoon 1st 5 Weeks**

Instructor(s): Benjamin Walker
Zev Vernon-Lapow

In Math and Social Justice we will focus on developing mathematical literacy to prepare our students to better understand and impact social justice issues. Students will apply math and statistical techniques to analyze pressing social justice issues. The class will culminate in a project where students will use a variety of mathematical techniques to analyze a local social justice issue.

Power Standard Course: No

Distribution Requirement: Engaged Global Citizen

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Math: Algebra Government/Civics



Leaders for Social Change **ER54** • **Afternoon 1st 5 Weeks** **Sage**

Instructor(s): John Guffey

This class includes the study of historical and current leadership theories, group dynamics, communication, and service-learning as tools for founding formal student governance on campus. Through this theme, we will strive to develop active, informed student leaders who practice ethical, inclusive leadership and who can inspire and mobilize others in the community. The class will help them develop the real-world tools needed for success in planning and carrying out a social action project focused on uniting the student leaders existing on campus as well as fostering new leaders. Hands-on workshops will be geared toward building their own confidence in public speaking and community organizing to this affect. With guidance from instructors, students will work step-by-step to design a detailed plan for a "Student Leadership Association", which they will create, name, and form throughout the course. This component will qualify as a portion of the portfolio required for the "Leadership for Justice" Power Standard.

Power Standard Course: No

Distribution Requirement: Leadership For Justice

Credit(s): 1

Credit(s):

Required Experience(s): Service Project and Reflection

Legacy Project and Reflection

Traditional Disciplines: Performance Government/Civics English

Students may pursue either Service Project or Legacy Project credit, but not both.

Physics of Mountain Biking **ER54** • **All Day 1st 5 Weeks**

Instructor(s): Beth Ellis Andrew Nimmer
Dave Manzella

How does a mountain bike work? What physical forces are at play while biking? In this course you will gain experience riding a mountain bike, learning proper maintenance of your bike while also learning about the mechanics of cycling through math and physics. Not only will you learn Newton's Three Laws of Motion - you will experience them first hand! Half of the class time will be spent completing labs that investigate forces, motion, and the laws of physics as applied to the sport of mountain biking. The other half of the class will be spent riding the trails of Estes Park and Boulder, and learning how to take care for an optimal riding experience! Even if you have never ridden a mountain bike, this course can be for you if you have a curious mind and desire to challenge yourself physically.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Physics Physical Education

Olympics **ER54** • **All Day 1st 5 Weeks**

Instructor(s): Kari Liotta
Marq Agboyani

What encompasses leadership, service, history and athletics all in one event? Why, the Olympics, of course! In this Leadership for Justice Power Standard class, students will learn the history and politics surrounding these ancient games and how it has lead to what we experience today. A service component will also be included through a collaboration with the Special Olympics. In addition, students will learn and practice various Olympic track and field events. Their culminating project will be to organize and facilitate an all-school Olympic Field day here at Eagle Rock School.

Power Standard Course: Yes Leadership For Justice

Distribution Requirement: Leadership For Justice

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: History: World Physical Education



Redefining Research **ER54** • **Morning 2nd 5 Weeks** **Kinickinick**

Instructor(s):

Does the thought of writing a 10-page research paper make you break out in a cold sweat? During this 10 week course, we will redefine Major Research and complete the Expanding Knowledge Base Power Standard. Instead of approaching your research topic from a single point-of-view, you will create a multi-genre project that will encompass several different perspectives.

THIS IS A 10 WEEK CLASS ALL MORNING.

Power Standard Course: Yes Expanding Knowledge Base

Distribution Requirement: Expanding Knowledge Base

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: English

Grow Lab **ER54** • **Morning 2nd 5 Weeks** **Science Lab and**

Instructor(s): Janet Johnson
Karen Ikegami

Spend your summer in the greenhouse learning how plants do their thing! This is a new course that will teach you about the genetics of plants and well as how we collect data on plants. You will be able to grow, pollinate and collect seeds from plants we grow in our greenhouse. You will learn how to collect data on these plants and the appropriate math to analyze that data. This will be a great opportunity to get some hands on science and math!

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Math: Statistics Science: Biology

Soil, Society and Sustainability **ER54** • **Morning 2nd 5 Weeks** **Anemone**

Instructor(s): John Guffey
Isaac Leslie

Your food choices give you the power to impact people and environments around the globe. In this class, you will learn how to grow your own vegetables and why it is important. The way we grow and distribute our food has the potential to strengthen or devastate our bodies, society, and the earth. We will use our garden and field trips to local farms and markets to work towards an alternative model that connects food, community, and environment.

Power Standard Course: No

Distribution Requirement: Engaged Global Citizen

Credit(s): 1

Credit(s):

Required Experience(s): Service Project and Reflection Legacy Project and Reflection
Public Service Presentation

Traditional Disciplines: Geography Government/Civics

Students will be expected to pursue the Service Project and Reflection credit as part of the class. An individual student may choose to pursue a more in-depth garden/greenhouse or local food related project for Legacy Project credit going beyond the general course expectations. Public Service Presentation credit will be awarded to students who participate in a community presentation related to this course (gardening, food production small farm agriculture community gardening farmer's markets, etc.)



Over The Hills & Far Away **ER54** • Morning 2nd 5 Weeks

Instructor(s): Jonna Book
Marq Agboyani

Is running a passion of yours? Do you hate running? Does it hurt when you run or do you wish you could run faster and more efficiently? If you answered yes to any of these questions, join us for this 5-week training on the Pose Running method. What can the Pose running technique do for you? It can... Dramatically change your entire perception of running. It makes running easier and better. Reduce impact on knees by 50%. Give you the 'runners edge'! Help prevent injuries! Help you avoid the nursing home! Help you enjoy running for the rest of your life! In addition to improving your form, you will also learn how to warm-up, stretch, and manage stress through exercise as well as how your body works while running. We will be running everyday, rain or shine, on or off trail, with the end goal being that you will run a 10 K. If this sounds AMAZING to you, come join us... over the hills and far away...

Power Standard Course: No

Distribution Requirement: Creating Healthy Life Choices

Credit(s): 1

Credit(s):

Required Experience(s): None

Traditional Disciplines: Physical Education

Chemistry of Clay **ER54** • Morning 2nd 5 Weeks

Instructor(s): Andrew Nimmer
Laura Nelms

What allows a ceramic mug to hold water? Why are some pots food-safe and others not? By mixing the raw ingredients for clay and glaze, observing how they react, we will begin to understand the chemistry of clay. We will create unique works of art with our homemade materials, displaying the chemistry principals we have learned through glaze and clay choices. The class will be roughly divided between learning chemistry and making art. By the end of this 5-week class, you will not only have a better idea of what goes into a clay pot, but you will also have some beautiful pieces to take home.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Chemistry Visual Art

Said and Meant **ER54** • Afternoon 2nd 5 Weeks

Instructor(s):

"Said and Meant" is a comedy comprised of ten short plays that explore how we can use language to mean various, and perhaps unintended, things. Students will act in the play, build the set, and publicize the final production. Students will be required to rehearse and perform on some evenings and weekends on and off campus. Auditions required.

THIS IS A 10 WEEK CLASS ALL AFTERNOON.

Power Standard Course: Yes Effective Communication

Distribution Requirement: Effective Communication

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: English Performance



Women's Health **ER54** • **Afternoon 2nd 5 Weeks**

Instructor(s): Kirstin Sizemore
Kari Liotta

This course covers basic facts about the anatomy and physiology of the female body. We will be studying how the body and mind respond during menstruation, sex, reproduction and menopause. We will explore women's mental and physical health issues and how they relate to women's lives and roles in society. We will also look at the relationship of women to the health system and how their lives have been impacted by the successes and failures of the women's health movements.

Power Standard Course: No

Distribution Requirement: Creating Healthy Life Choices

Credit(s): 1

Credit(s):

Required Experience(s): Aids Awareness

Traditional Disciplines: Science: Biology Government/Civics

It's in the Game **ER54** • **Afternoon 2nd 5 Weeks**

Instructor(s): Marq Agboyani
Mark Palmer

If you love being outside, being active, and playing a variety of sports, come join us for 'It's In The Game'. In this class you will learn the rules and play popular sports. In addition to playing sports, you will also learn the history behind golf, frisbee golf, cricket, bowling, tennis, beach volley ball, and many more.

This class will include plenty of opportunities for students to grow and learn to be coachable. People interested in taking this course will want to be highly active and participatory everyday.

Power Standard Course: No

Distribution Requirement: Creating Healthy Life Choices

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Physical Education

Star Search **ER54** • **Afternoon 2nd 5 Weeks** **Shooting Star**

Instructor(s): Karen Ikegami

Learn about the common forces applied throughout the universe by exploring universe formation, galaxy formation, and star formation! 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.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Physics Science: Chemistry



Murals Speak **ER54** • **Afternoon 2nd 5 Weeks**

Instructor(s): Cindy Elkins
Jonna Book

Murals let us listen with our eyes to interpret the artist's vision, often spoken not so softly. Travel in a cheese box around Colorado and virtually visit murals a far. Work together as a class to create a mural for a public space on campus that expresses individual and group interests. Learn how to transfer your thoughts, needs and ideas into a large format montage while effectively communicating personal truths.

Power Standard Course: Yes Effective Communication

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s): Legacy Project and Reflection

Traditional Disciplines: Visual Art

Students will be able to choose if they are pursuing the Legacy Credit.

The Art of Botany **ER54** • **Afternoon 2nd 5 Weeks** **Science Lab**

Instructor(s): Andrew Nimmer
Ashley Davidson

This is a biology and art class in which we will study botany through flowering plants. By observing and drawing plants, we will learn about the relationship between the form of an organism and how it functions. We will learn about specific ideas such as cell structure and reproduction. Finding flowering plants in the field and keeping a nature journal will help us tie the information we learn to the place we live. For the final project you will get to create a permanent piece of botanical art for display in the science building.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Biology

Physics of Rock Climbing **ER54** • **All Day 2nd 5 Weeks** **??**

Instructor(s): Jesse Beightol
Benjamin Walker

Kristen Hayes

What allows a climber to scale seamlessly impossible cliffs? What forces of nature are we constantly battling against when we rock climb? What forces are helping or hindering our personal growth? Through connections in physics and rock climbing, we will explore these questions and more. Do you want to have the physics background that helps you better understand the safety systems we use in climbing? Do you want to become a "Rock Warrior?" We will also look at how our mind, our attitude and our awareness of the world hinder or help us as climbers and people. Be ready for both a physically and mentally demanding 5 weeks with a lot of math based science work, mental training, and long days out on the rock.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 2

Credit(s):

Required Experience(s): Personal Growth: Mid-Career Portfolio

Traditional Disciplines: Physical Education Science: Physics



RMNP Internship **ER54** • **All Day 2nd 5 Weeks** **Kinnikinnick**

Instructor(s): Jon Anderson
Gwen Cagle

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 for 2 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 Yellowstone National Park.

Power Standard Course: No

Distribution Requirement:

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Biology Performance Physical Education

Because each student internship is different, students will have the opportunity to choose which distribution requirements they receive.

Peoples & Places of Colorado **ER54** • **All Day 2nd 5 Weeks**

Instructor(s): Berta Guillen
Zev Vernon-Lapow

If you've been wondering what this state is all about but have never left the Eagle Rock cattle guard, this class is for you! This course will be a first hand look at the early settlers to the current residents in Colorado. From pre-historic to modern day, from Estes Park to Trinidad, we will travel the state to speak with and/or experience first hand the diversity of people and places in this state. Most importantly, we will find areas of growth in Colorado and areas where change is slow to come. What are the current issues in this state? How do they impact you and other neighbors in the region? Be ready to spend a lot of time in the Bus and get to know others as you discover the colorful state you call home nine months out of the year.

Power Standard Course: Yes Engaged Global Citizen

Distribution Requirement: Engaged Global Citizen

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: History: US Geography