



R-5 High School

Course Guide 2024/2025



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R-5 Home of the Phoenix

Why: We know that learners come from everywhere and can differ greatly in what they need to succeed. R-5 is the alternative for the high school student who needs a non-traditional pathway, academic recovery and personalized support. Relationships and experiences are what drive the “why” behind our staff and our learners.

What: R-5 learners engage in several projects designed to meet academic standards across all content areas in a hands-on way. Our structure is unique in that students have 2 blocks on our campus where they are able to select two projects, four single content classes, “Skinnies”, or a combination of the two. The projects are selected by the learner and their advisory teacher to meet their remaining credit deficits and progress towards graduation.

When: Learners are on campus from 8-12:30. All learners must have a secondary placement where they work, volunteer or learn for a minimum of 10 hours per week. R-5 students earn additional credit for their secondary placements.

Who: An R-5 Phoenix is 16 years of age or older and ready to move towards career readiness. Our learners are in the workforce, concurrent enrollment, internships or are parents themselves. They are willing to get dirty, get moving and redefine what academic success means to them. Each student has a place in our community so we expect our students to be here on time, set their phones aside and connect with their teachers and peers. We require students to be here no less than 70% of the time. R-5 is a choice and if a young person decides to be a Phoenix, we expect them to choose R-5 every day.

Our learners graduate with the same diploma as students in traditional high schools, but the specific graduation requirements differ slightly.

R-5 Graduation Requirements	Traditional D51 Graduation Requirements for grads 25-26										
<p>English Language Arts - 4 credits</p> <table border="1" data-bbox="107 348 748 632"> <tr><td><i>Comp/Lit 9 -1 credit</i></td></tr> <tr><td><i>Comp/Lit 10- 1 credit</i></td></tr> <tr><td><i>Comp/Lit 11- 1 credit</i></td></tr> <tr><td><i>Comp/Lit 12- .5 credits</i></td></tr> <tr><td><i>English elective- .5 credits</i></td></tr> </table>	<i>Comp/Lit 9 -1 credit</i>	<i>Comp/Lit 10- 1 credit</i>	<i>Comp/Lit 11- 1 credit</i>	<i>Comp/Lit 12- .5 credits</i>	<i>English elective- .5 credits</i>	<p>English Language Arts - 4 credits</p> <table border="1" data-bbox="776 348 1412 632"> <tr><td><i>Comp/Lit 9 -1 credit</i></td></tr> <tr><td><i>Comp/Lit 10- 1 credit</i></td></tr> <tr><td><i>Comp/Lit 11- 1 credit</i></td></tr> <tr><td><i>Comp/Lit 12- .5 credits</i></td></tr> <tr><td><i>English elective- .5 credits</i></td></tr> </table>	<i>Comp/Lit 9 -1 credit</i>	<i>Comp/Lit 10- 1 credit</i>	<i>Comp/Lit 11- 1 credit</i>	<i>Comp/Lit 12- .5 credits</i>	<i>English elective- .5 credits</i>
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<p>Science- 3 Credits</p> <p><i>Any 3 credits of different science courses</i></p>	<p>Science- 3 Credits</p> <table border="1" data-bbox="776 1045 1412 1199"> <tr><td><i>Biology- 1 credit</i></td></tr> <tr><td><i>Chemistry- 1 credit</i></td></tr> <tr><td><i>Physics- 1 credit</i></td></tr> </table>	<i>Biology- 1 credit</i>	<i>Chemistry- 1 credit</i>	<i>Physics- 1 credit</i>							
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<p>Math- 3 credits</p>	<p>Math- 3 credits</p>										
<p>Computer Science- .5 credits</p>	<p>Computer Science- .5 credits</p>										
<p>Careers- 1 credit <i>(.5 career exploration .5 Personal Finance)</i></p>	<p><i>Not required</i></p>										
<p><i>Not required</i></p>	<p>Art- .5 credits</p>										
<p><i>Not required</i></p>	<p>PE- .5 credits</p>										
<p><i>Not required</i></p>	<p>Personal Fitness & Wellness- .5 credits</p>										
<p>Elective- 10.5 credits</p>	<p>Elective- 10 credits</p>										
	<p>Financial Literacy <i>Within the 25 credits listed above, students must meet the Personal Financial Literacy requirement by completing one of the following: Personal Finance, Economics, Life Mgt., Wealth Mgt, AG Mgt.</i></p>										

Testing Proficiency

In order for someone to graduate from D51 they must demonstrate career and/or college readiness. There is a menu of options for students at the traditional high schools that include SAT test scores, concurrent enrollment, ASVAB and WorkKeys testing.

R-5 graduates are expected to complete all three WorkKeys tests (Applied Math, Graphic Literacy and Workplace Documents) at the "Silver" level in order to graduate.

R-5 learners earn credit by completing projects.

Learners may select up to two projects each quarter depending on their interests and credit needs. Skinny classes (one hour, one subject courses) are also offered). Project frameworks are created by R-5 teachers from their own skills, experience and passions. The projects that are offered each quarter vary based on staffing and student needs. Projects are unique to R-5, so our scheduling system(Synergy) does not recognize their titles. Next to each project description, is the course name in parenthesis as it will appear on a student's schedule. Projects listed with a + indicate that there is extra credit available in these courses for learners who meet additional learning targets.

Projects offered in the 2024/2025 School Year

Movie Making with Morales .5+ Comp/Lit

In this project, you'll learn about key terms that apply to film making and film analysis. Throughout the course you will make several Very short films using free editing software as a way to demonstrate your learning. As a final culminating project, you will make a short film demonstrating your knowledge from the various units and techniques we have learned throughout. (Video/Media Prod)

Lunar Lunacy: A Moonstruck Guide to the Universe .25 Science .25 Math

In this project, you will get to explore the universe! (from within the confines of the building). Learn about space, time, the big bang, our solar system, and just how long it would take to "shoot for the stars". (Astronomy A)

Psychology of Success .5 Comp/Lit & .25 Science

In this project, you'll learn about the psychological and physiological aspects of success. How can we establish routines and habits as well as self reflection that helps us be successful? Throughout the course you will be working towards a project to educate or assist in personal growth. (Psychology)

Math Made Simple: Harnessing the Power of Google Sheets .25+ Math

Want to know how to have the computer do your math for you? Learn how to create and design your own work schedule, daily activity schedule, and more. You will learn ways to have the computer automatically calculate and organize your spreadsheets for budget calculations, building floor designs, financial sheets, project scheduling, and using your skills to create tables, charts, and graphs to make usable life applications. Ultimately you will

be your favorite artist's Production Manager! You will be in charge of all aspects of their Concert preparation and production at the Venue of your choice! (Math for R-5)

Art History .25 World History/Social Studies Elective

War! Bloody revolutions! Existentialism! Explore the history of the world through ART! In this class, we will journey across the globe from prehistory to the present. You will study world history by analyzing works of art through observation, discussion, reading, and research. (Art History)

Native American Ethnobotany .25 US History .25 Science

Humans have been cultivating land for thousands of years. Learn about the Western Slope and how our local Native American tribes have grown various crops and herbs for food and healing! Introduce students to the fascinating world of the relationships between people and plants. The course offers a unique approach that includes plant structure and function, medicinal uses of plants by peoples around the world as well as the spiritual and ritualistic significance of plants in various religions and cultures. As plants are important to people, we will focus on how plants affect human health, nutrition and well-being, interact with other organisms, and provide critical support to biodiversity. (Botany)

Photojournalism .5 Comp/Lit

Learners develop photojournalistic essays that document personal and local culture and community stories. Learners will identify themes and topics related to their community, interview local community members, and capture photos in order to create photo essays they share with the school community, local community, or in a live or digital exhibition. (Journalism)

Native American Agriculture .25 US History .25 Am Gvt

The hot and dry southwestern region of North America presented many challenges to the tribes who lived there, but they adapted and thrived. Long ago, the natives of this area learned how to farm, despite the lack of rain, and to build houses of clay and sand (adobe). They settled by rivers or streams and used irrigation to grow their crops. The southwestern tribes lived in what is now known as the Four Corners of the U.S. — where Arizona, New Mexico, Utah, and Colorado meet — as well as further east to parts of Texas and Mexico. Explore the rich history of the Southwest Native culture in the class. (US History A)

R5 Agrihood .25+ Science .25+ Math

This project is focused on creating and running an Agrihood for the R5 school and surrounding community. Do you love to garden? Would you want to learn the basics of aquaponics and use that to produce food? An agrihood is a type of planned community that integrates agriculture into a residential neighborhood. The purpose is to facilitate food production as well as provide green space, recreation, aesthetics and value for a community. You have to be willing to weed and care for your own plot of land, get your hands dirty, learn the science behind growing plants and integrate business and math to help make our

Agrihood sustainable. This course has flexibility where new learners can enter each quarter or learners continue throughout the year with new concepts built onto previous learning.
(Environmental Science A)

R5 Geological Survey .25+ Science .25+ Math

Embark on an immersive journey through geology with our field-based course. Led by experienced geologists, each session takes you on captivating field trips to diverse geological sites. Discover the forces that shaped Earth's surface, from plate tectonics to rock formation. Explore landforms, geological time, and Earth's evolution. Perfect for enthusiasts and beginners alike, join us as we uncover the secrets of Earth's geological wonders, one trip at a time. (Geology)

Philosophy: Peace Of Mind .5 ELA

How can we as writers and scientists better understand our own world and our place in the universe? In this course, Learners will have the opportunity to earn .25 ELA, .25 Science credit. Learners will assume the role of writers and scientists to explore and investigate the science of Science Fiction using examples in media and pop culture. Learners will use their findings to design an inhabited planet and will represent this design through different products. As learners design their world, they will continue developing their own driving questions. (Interntl. Forum)

Science of Science Fiction .5 ELA .5 Science

Today's world seems more in conflict than ever before. With increasing access to information at our fingertips and constant distraction by distressing news, how do we be at peace with the world? Our school? Ourselves? Is peace possible?

In this course, you will learn about peace with three different philosophical viewpoints.

You will define, reflect and apply these different philosophies to create a handbook of writings as a class. This may be published and shared with our school, district/other schools or even some local businesses to encourage peace within ourselves, our community and each other. (Science Fiction)

Death and Data .5 Math .5 Science

In this class, students will explore both science and math concepts, through our history by exploring cemetery data and the power of decomposition. We will be examining real-world data from local and historical cemeteries, and will be uncovering patterns and insights about past populations. We will be connecting both the power of numbers and the stories they tell about human life and death. (Biology)

America's Empire Exposed .25 Am Gov .25+ U.S. History .5+ ELA

Many generations have come before you, many have made significant change in America. The political climate in the United States is at a critical point in time where your voice, actions, and effort matter now more than ever. In this class, learners will explore the historical political patterns that have shaped our country, and determine how to make a positive change for the betterment of the U.S. moving forward. Through creative inquiry (questioning), learners will create their call to action to be agents of change for the present day and beyond. Learners will earn .25- in American Government, .25-.5 U.S. History, and .5 in ELA 9, 10, or 11, with the potential to accelerate. (AM Gov)

History of Architecture Project .25+Math .25 Social Studies Elective

In this class, we will study major architectural achievements across different historical periods and civilizations. We will learn about the cultural, social, and technological ideas that influenced these

architectural designs. Throughout this class we will use math to analyze these architectural structures focusing on their stability, symmetry, and aesthetics. (World History-Modern)

Engineering .25 Math

Dive into hands-on engineering problem solving in this project-based course. Students tackle real-world challenges across engineering disciplines, collaborating in teams to design, build, and test solutions. Gain practical skills, foster innovation, and develop a mindset for creative problem solving. Ideal for students seeking immersive, practical engineering experience. (Math for R-5)

Architecture .25 Math

Embark on a creative journey in architecture with our hands-on workshop. Learn key architectural concepts as you design your dream house. Explore spatial planning, style influences, and sustainability principles. Through practical projects and studio sessions, unleash your creativity and craft your vision into reality. Ideal for aspiring architects and design enthusiasts alike. (Math for R-5)

OWL Evolution .5 U.S. History .5 Science

Earn Science and History credit 4th quarter by exploring the evolutionary history, sequence of events, and current debates in human evolution. We will examine geologic time, the fossil record, evolutionary theory, and Native American history. A 3 day 2 night trip will be mandatory at the end of the course to experience the cultural past in person visiting sites of interest around Gateway, CO. (Environmental Science B)

Personal Financial Literacy .5 PFL

Do you like being broke? Neither do we! Do you want your money to work for you? So do we! In this class we will learn how you can invest your money, how to save and spend your money responsibly, and how to still have money for fun! You will learn the do's and don'ts of credit cards, renting apartments, buying houses, paying utilities, and understanding where all of your money goes before taking it home in your paystubs. (Personal Finance)

Grad Push & Capstone .5 ELA 12

This is a block of time for students who are projected to graduate within the current quarter or the next. Learners in this class are completing their last requirements on Edmentum, working on their capstone projects or completing WorkKeys Assessments. (Capstone)

Orientation Cycles

In a learner's first quarter at R-5, they will complete the orientation projects that consist of Career Development, Personal Financial Literacy, "Odyssey & Me", The Hunger Project and Social Emotional Learning. Learners in their first quarter are grouped together for these experiences that will familiarize them with the R-5 garden/aquaponics, help them develop career goals as well as some essential skills needed to be successful at R-5. In orientation, learners have the opportunity to earn the following credits: 1.0 Careers, .5 ELA, .5 Social Studies. Orientation will appear on a learners schedule as "Orientation Cycle".

Secondary Placement

All R-5 learners are required to have a secondary placement. Because the R-5 school day ends at 12:30, students must secure an additional learning environment to round out their full-time enrollment.

Options for secondary placements include:

Paying jobs in the community

Internships/ Apprenticeships

Volunteer Positions

The R-5/Eureka Outdoor Program

Concurrent Enrollment with [CMU Tech](#) or [Career Center](#)

*Young Parent Program/YPP**

*Restorative Service Program/ RSP***

****Young Parent Program***

Parenting Class

Learners who are in the young parent program will participate in parenting classes as their secondary placement. Students in the class are parents with children in the R-5 childcare program or expecting parents. The instructor guides students through a curriculum that emphasizes safe and healthy parenting practices. In addition, they will have several guest speakers to enhance their learning and connect them with appropriate resources in the community.

Baby & Me .25 Math, .25 Sci, .25 ELA, .25 Elective

R-5 learners who have a child in the childcare program also participate in this hands-on class where parents and their children learn and play together through reading and other activities. This class meets daily to promote healthy parent/child engagement.

*****Restorative Service Program***

RSP meets Monday through Thursday from 1:00-2:40 and serves selected students two ways.

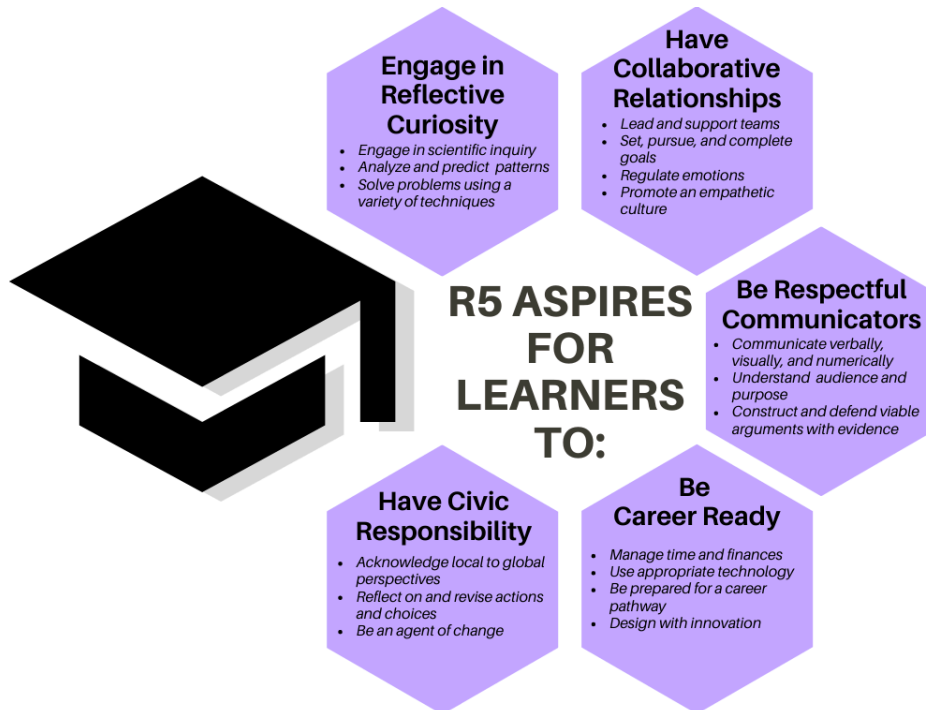
RSP can be a temporary secondary placement for learners who have not secured a job, internship or other program. Those learners must either get a secondary placement within the quarter or fail candidacy.

RSP is also for learners who have shown that they need more support before they are able to be successful in R-5's standard morning schedule. In their afternoon only class, learners will be supported with individualized intervention and a Discovery and Life Skills curriculum. There will also be opportunity during that time to pursue

credit through Edmentum (online coursework), Workkeys or other projects deemed appropriate. Learners will have one quarter in RSP to show growth and demonstrate commitment to their learning and R-5 respect agreements.

Capstone Projects and Senior English

All learners must complete a capstone project in order to graduate. A Capstone project can look like a variety of things, but most often it is a slide presentation. The project must demonstrate that the student has met all five qualities of the graduate profile shown in the graphic here:



Learners will get support for their capstone project in the Gradpush class in their final semester. A completed capstone project counts for .25 credits 12th grade English. The other required .25 12th grade English credit is earned through the learners completion of a literary analysis; also supported in the Gradpush class.

Clubs

All R-5 students will pick a club to participate in on Friday mornings. Clubs give students the opportunity to explore their interests with other students and teachers while earning elective credit. The clubs vary from quarter to quarter and can be anything from an outdoor club where students leave campus to hike, ski, fish or bike, to gaming club where students e-game in a classroom. In addition, there is opportunity to serve in a student leadership club or contribute to the production of the school yearbook.