

Title	Summary	School
Play and Learn	Even at 4th grade children love to play games. This project provides a number of games for math and science that reinforce the Common Core Standards through play.	Meadow Point Elementary
The Silk Road	Students learn the art of silk painting. The desire for silk opened up the trade between Western and Eastern cultures and now students will have the opportunity to experience the art that unlocked the mystery of the East.	Falcon Creek Middle School
Genius Hour	The Genius Hour Project is an individualized program of research and experimentation that students work on throughout the year, pursuing a scientific or technology-based topic that they are passionate about. Students will work to become experts on their chosen topic, and develop a final presentation project to share their expertise with our school and local community.	Challenge School
Imagine, Design, Collaborate, Build and Share "IDCBS"	In order to foster and better develop STEM learning opportunities at Trails West, we would like to integrate LEGO Education StoryStarter hands-on learning tools in our primary classrooms. These tools will enable students the opportunity to work together, think critically and help them to better develop their 21st Century skills.	Trails West Elementary
Writing for all Learners	At Sky Vista Middle School we believe that all students have the right and opportunity to achieve at a high level through personalized learning opportunities. Our writing class helps students learn and grow all while preparing for real-world applications now and in the future.	Sky Vista Middle School

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Constructing Explanations in Science-Grade 6	<p>Understanding science and writing scientific explanations involves exploration and discovery, testing ideas, community analysis and feedback and discussion of benefits and outcomes. Students who have a better understanding of how the "true" scientific process works will have a greater understanding of the natural world.</p>	Campus Middle School
Constructing Explanations in Science-Grade 7	<p>Understanding science and writing scientific explanations involves exploration and discovery, testing ideas, community analysis and feedback and discussion of benefits and outcomes. Students who have a better understanding of how the "true" scientific process works will have a greater understanding of the natural world.</p>	Campus Middle School
Constructing Explanations in Science-Grade 8	<p>Understanding science and writing scientific explanations involves exploration and discovery, testing ideas, community analysis and feedback and discussion of benefits and outcomes. Students who have a better understanding of how the "true" scientific process works will have a greater understanding of the natural world.</p>	Campus Middle School
SRA Reading Laboratory	<p>In order for students to become 21st Century learner, we need to provide opportunities for them to practice reading and provide written responses online. SRA Reading Laboratory allows students to explore these skills within the classroom and at home.</p>	Bellevue Elementary

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Wordly Wise 3000 Online	Wordly Wise 3000 Online is a dynamic and interactive online program that helps students master the academic vocabulary they encounter in school every day. Full audio support is included throughout the program to help struggling readers or ELL students	Ponderosa Elementary
Seeing Stars	Seeing Stars is an all-inclusive opportunity for the students, parents and community of Ponderosa Elementary School. A virtual field trip to the stars will help support and enhance district Science curriculum.	Ponderosa Elementary
Incorporating Movement into the Classroom	Our efforts will be directed towards incorporating movement based activities and various learning tools to optimize attention and learning throughout the school day. Our desire is to acknowledge that children need movement and to address the various learning styles and needs of our students.	Homestead Elementary
Science, Math & Literacy	E.I.E., Engineering is Elementary, introduces grades 1-5 to the engineering process through real world connections and hands-on projects. The engineering assignments begin with a problem, need or desire that requires students' to utilize their background knowledge with math and science to rectify the societal problem.	Sagebrush Elementary & Prairie Middle School
Engineering Ingenuity	We plan to implement the Engineering process with 2nd graders, using various resources including EIE kits. We hope to challenge students to think through the lens of STEM principles and connect to their daily lives and world.	Sagebrush Elementary

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Using Probeware and Software to improve Student Reasoning	Hands-on science using Vernier technology gets students excited about science and deepen their understanding of complex concepts. It gives students the tools to analyze data and think like real scientists.	Smoky Hill High School
Technology to Enhance Reading & Writing Success!	Getting excited about reading at a young age is key to becoming a successful reader. The Chromebooks will give struggling readers and writers the excitement about learning while also teaching them essential 21st Century learning skills that will align with the Colorado Academic Standards	Ponderosa Elementary
Building Little Free Libraries	Through participation in the national Little Free Libraries program, Prairie Middle School students will design, construct and host 4 books share stations in the surrounding feeder neighborhoods. Students will then use the stations to engage in a variety of literacy-related programming to enhance both a love of reading and the availability of reading opportunities.	Prairie Middle School
Makey Makey	The Makey Makey is a device that allows everyone to become an inventor. Students will build on their knowledge of coding by applying their coded programs in the real world using the Makey Makey.	Canyon Creek
Watch D.O.G.S. /PBIS	Watch D.O.G.S. (Dads of Great Students) is recognized nationally for its unequalled success in bringing male role models into the educational process.	Prairie Middle School

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AVID Course Podcasts	The podcast project is designed to allow students to hear motivational speakers from diverse backgrounds and learn college level study skills using iPads. The role models show students from diverse backgrounds what they can achieve through hard work and perseverance and the study skills help prepare students for college level school work.	Thunder Ridge Middle School
"No, this book should get a Newbery!"	Sunrise students will be reading and reviewing the best books of 2014 and providing feedback directly to one of the fifteen members on the Newbery Award Committee, wo will consider our feedback in her decision-making process.	Sunrise Elementary
iPods for Learning	The iPod project will enable students that do not read on grade level access to the texts used in their Language Arts classes. It will be used for interventions and accommodations for Special Education students, English Language Learners, and all students with reading difficulties.	Horizon Middle School
Writing and STEM	This program will help first grade learners become better writers, improve communication skills and provide multiple experiences for digital publishing.	Ponderosa Elementary
Courageous Character Text Set	Our project will allow our students to practice close reading strategies with texts of their own. Additionally, our students will have access to these texts to continue their learning outside of the classroom.	Horizon Middle School

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1 Book 1 Campus	1 book, 1 campus is a program that builds a community through literacy. Each student and staff member who wants to receive a copy of the chosen book reads the novel for the pure enjoyment of reading and is encouraged to discuss the book.	Campus Middle School/Belleview
ALEKS (Assessment and Learning in Knowledge Spaces)	A web-based, mathematics learning and assessment system which pin-points individual strengths and targets immediate needs. Students self-select goals for mastering math topics in their ALEKS course and beam with pride when they reach performance thresholds.	Sky Vista Middle School
VEX IQ Robotics Design Platform	The five Grandview High School Feeder Area elementary schools, Red Hawk, Meadow Point, Rolling Hills, Fox Hollow, and Creekside will work collaboratively to provide K-5 access to the VEX IQ robotics program. Along with engaging, hands-on robotics curriculum to support district work in STEM, Red Hawk Ridge Elementary will host a robotics competition for the five feeder areas in the Spring for the 2014 VEX IQ Challenge entitled Highrise.	Red Hawk Ridge
Apps for ELA	English language learners get a 21st century update by the language with educational technology.	Cherry Creek High School

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Adventures in Geocaching 2	Students will reinforce and use their knowledge of latitude and longitude, cardinal directions, and the global positioning system (GPS) to complete treasure hunts based on the worldwide phenomenon known as geocaching. There will also be a culminating field trip to a local state park where students will use the Garmin eTrex GPS units to help them hunt for hidden treasures in order to solve a scientific puzzle.	Horizon Middle School
Video Coaching	The Video Coaching program is designed to engage students in increasing their fitness and skill level by the use of iPads and Apple TV. PE teachers will use iPads to instruct and correct physical movement with the use of the Air Play and video features of the two items	Thunder Ridge Middle School
Technology and Literacy Empowering the iNovators or Tomorrow (TALENT)	students to benefit from technology's unique ability to teach the literary skills necessary to grow into successful, confident readers and writers while simultaneously developing the technological understanding required to thrive in a world increasingly dependent	Ponderosa Elementary
Read & Ride in the Library	recommended daily physical activity	High School
Jovan Mays-Slam Poetry Lesson	The 8th Grade Language Arts department at West Middle School would like to invite Jovan Mays to share and teach poetry, slam, and literary techniques to our students. Jovan inspires student making a lasting impression so poetry engaging and relevant for all students.	West Middle School

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WeDo at Belleview	<p>Belleview's library technology rotation will integrate STEM concepts with Lego Education WeDo to engage students to think critically, communicate, collaborate, and problem solve. Students will work hands-on with technology to build and create Lego projects incorporating grade level standard such as understanding habitats, working with simple machines, and using variables.</p>	Belleview Elementary
21st Century Light	<p>Students will investigate qualitative and quantitative properties of light using the R-Spec Explorer to study the diffraction, mixing, and separation of light into component wavelengths. Students will analyze samples of everyday objects, compare laser and LED light, and also determine the temperature of glowing bodies.</p>	Eaglecrest High School
Meeting the STEM "Challenge"	<p>The funds from this grant will support the initiation of a chapter of the Technology Student Association (TSA). Students use leadership skills and creative STEM-based problem solving skills to participate in challenges at state and national TSA competitions.</p>	Challenge School

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Sustainable Futures	Will allow multiple disciplines to study sustainability, understand plant growth, and maintain responsibility for growing various foods, such as herbs and vegetables, through the real world applications of STEM. In turn, these student-produced subsistence-grown food will be utilized in our Consumer and Family Studies course meals and competition presentations, as well as provide additional fresh food for our faculty and staff.	Smoky Hill High School
Daily 5 Listening to Reading	Daily 5 literacy instruction incorporates 5 areas of literacy work: read-to-self, read-to-someone, listen to reading, word work and writing. With iPod touches in our classrooms, we will be able to give our students more opportunities to listen to reading and respond to texts in meaningful ways.	Timberline Elementary
Brainology in Math Support	We believe introducing students to a growth mindset through the Brainolgy program, in combination with math support, will help students improve their study skills, motivation, and math achievement as they begin to accept that with hard work, anything is possible.	Prairie Middle School
Rocket Boys	Our plan is to integrate the hands on engineering piece of science with the reading and writing skills of our students. Having the student's read/write/analyze and compare their experience the classroom with the young man Homer Hickam who in the 1950's created one of the first model rockets, will improve their reading and writing skills as well as solidify their science and mathematics learning and their experience with the engineering process.	Prairie Middle School

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Clean Energy: Wind Turbines	Clean Energy: Wind Turbines is the designing and building of wind turbines prototypes, using recycled materials, that could be replicated on a real world scale. The goal is to experimentally determine the number of blades, shape of blades, and mass of blades that will produce optimal voltage output.	Smoky Hill High School
Prairie Little Free Library	A Little Free Library box installed next to the Prairie Preschool mobiles and playground will provide access to books and reading materials for preschool families. This "take a book, return a book" sustainable project seeks to promote a sense of community for the preschool's diverse, multicultural population.	Prairie Preschool
Engaging our Struggling Readers with Accessible and Interesting Books	This project proposed to purchase a series of High Noon Books which are high interest texts for middle school struggling readers. Thee books can be used in a variety of general educational settings including language arts, science and social studies in order to help students with reading disabilities access grade level content at his or her specific reading level.	Prairie Middle School
The Natural Patterns in the Flow of Air	By allowing the students to build kites, using controlled variables, make predictions, state claims and give supporting evidence, we prepare them properly to meet our state standards in science. Using a drone to give them an aerial picture of their accomplishments would certainly be a creative and innovative way to get school-wide involvement and increase passion for science.	Arrowhead Elementary

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CCHS Grow Houses	Special Education students will build two hoop-style greenhouses in the CCHS garden for students to cultivate greens and vegetable year-round. Students will learn about basic horticulture and nutrition in the processes of growing and harvesting greens and vegetables that they will prepare and eat.	Cherry Creek High School
Tangible Turbines II	During our "Tangible Turbines II" project, students will be challenged to use a renewable energy source to power a shuttle ride. Through involvement in the project students will practice engineering design and analyze the benefits and drawbacks of renewable energy sources.	Fox Ridge Middle School
Motivating Reluctant Readers Using Technology	Students who struggle to read are often the hardest to motivate to read outside of school because they simply don't enjoy doing it. Current technology can be used as a tool to motivate reluctant readers; increase minutes spent reading outside of school, and improve reading fluency and comprehension while turning students who dislike reading into lifelong readers.	Willow Creek Elementary
Water quality through micro ecosystems	Middle school students will study water quality, ecosystems, evolution, and climate change through the aquatic micro-ecosystems. Digital data collection will guide our inquiry into how aquatic systems and nutrient cycles change over time.	Challenge School

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"The History of the Earth: A 3-D Mural"	7/8th grade students at the Challenge School will be creating a 3-D mural that will run around the upper perimeter of the walls by the science dept. illustrating the history of the Earth. Working in teams, students will contribute a section to the mural that illustrates an important aspect of the climate, living things, or ecosystem interaction that occurred during their time period.	Challenge School
Around the World in 80 Days	"Around the World in 80 Days" is a new class offered at Liberty aimed at providing sixth grade students with a global perspective for our changing world. This class features hands-on experiences while strengthening critical thinking and reading skills.	Liberty Middle School
Eaglecrest Writing Center Making Better Writers	The Eaglecrest Writing Center provides one-on-one peer conferencing for all students at all stages of the writing process in all content areas. The opportunity for students to receive individualized instruction and feedback from trained, knowledgeable peers creates better writers throughout the school.	Eaglecrest High School
Focused Learning	To achieve focused learning, students must have an environment that suits their need. All students, including ADHD, will benefit from an environment supporting physical needs, providing an outlet for fidgets and energy, and allowing students to concentrate their focus on academics.	Independence

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Character Library	The character library project is designed to provide teachers both a roadmap and the resources to implement a classroom community where social-emotional needs are given the same attention as the other core subjects. Just as quality texts are the cornerstones of good core content curricula, character education should be taught through the lens of quality literature as well.	Independence
Engineering Design with Robotics	Students are engaged in engineering, design, collaborative problem solving and utilizing 21st Century skills by working with Cubetets Modular Robotics in the school's STEM program!	Dakota Valley
Passion Project/Genius Hour	An independent learning project that is designed to interest students in the process of learning. If learning is meaningful to students, students will be more engaged and take ownership in their own learning.	Cottonwood Creek
Peace Jam Juniors	An exciting program that exposes children to the lives and works of 13 Nobel Peace Prize winners through developmentally appropriate literature, discussions, and projects.	Cottonwood Creek
Reading to the "Extreme"	Will provide all Horizon Middle School students access to current science article using the National Geographic Extreme Explorer magazine and science dictionaries.	Horizon Middle School
Active Classroom Seating & Sensory Supports for Attending	Monitor on-task and engaged learning behavior in students in 2 primary classrooms provided with 9 Hokki stools for desk seating.	Holly Ridge

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E-Waste Recycler Certification Program	This is a vocational training initiative designed to teach technical skills to young with disabilities to enable them to compete and succeed in a new job market. We are also ethically and responsibly disposing of ewaste for our district.	Transition Program
iWrite	Creating a culture of excellence by instilling a passion for writing through the use of 3 iPad minis and our project titled iWrite. The objective is to increase motivation and creativity ultimately decreasing the writing achievement gap among boys	Coyote Hills Elementary
iPads for Learning	By using iPads in the classroom, students will learn how to edit their writing and get much needed practice in taking tests and completing the entire writing process on the computer.	Timberline Elementary
Developing Readers Chapter by Chapter	Balanced literacy is an essential component to developing children's love of reading. These novel sets will instill a love of reading for our students during our literacy block.	Red Hawk Ridge
Sensory Break Box Kits	"Sensory Break Box Kits" can be used in the classroom to help all students learn how to use "Sensory Brain Breaks" to help maintain attention, focus and regulation. This benefits the entire classroom and teacher as improved attention and regulation promotes improved class work, behavior and achievement.	Aspen Crossing Elementary
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