

*North Suburban Summer Academy
For High Potential Students*

Visitor's Guide

*Welcome To Our Open House
6:30-8:30 p.m.*

&

*Picnic Dinner
6:00-8:30 p.m.*

Wednesday, July 1, 2009

Columbia Heights High School and Highland Elementary School
Columbia Heights, MN

Highland Elementary Building

- 04. Pay to the Order of...** **Grades 2-3**
Teresa Peterson
Room N
- 74. Amber Neva**
Room L

Please come in to visit our world of career exploration and consumer responsibility. Watch our videotape of students being interviewed for their chosen career. Look over our checkbooks where we wrote out our monthly bills. Be sure to look around the room at the visuals that we created about our careers. Also check out our Minnesota State Fair proposals for new products and services that we created. Another exciting part of our class was running the two Summer Academy concession stands where we learned about supply and demand. We are proud that the profits from the concession stands go for Summer Academy scholarships. Visit the concession stands at the high school and Highland this evening for some refreshments. We look forward to seeing you.

- 05. Written & Illustrated By You** **Grades 2-3**
Joy Morrey
Room K-1/K-2
- 75. Loralyn Eckstrom**
Room K-1/K-2

Creative Kids Publishing & WI Publishing are pleased to announce the completion of the young authors' award-winning new books! Come and help celebrate the unveiling of their literary works, meet the authors and illustrators and read their original stories.

- 06. Invention Convention** **Grades 2-3**
Anne Miller
Room M

Come to the final day of the Invention Convention 2009! You can see some new and exciting inventions for the 21st century. You may find some help in solving one of your problems at home. We have new creations ranging from kitchen gadgets, games/toys, small machines and even a "Bedroom Picker Upper" that will surely help children keep their rooms clean. Flash back to the 70's with our invention of the Disco Light!

Come see how we invented our own t-shirts. The young inventors look forward to showcasing their work. Remember that the sky is the limit in the Invention Convention!

- 20. Cool Caves** **Grades 3-5**
Jeff Lynum
Room D
- 80. Michelle Lynum**
Room I

Visit the underground world of caves-literally! Crawl through caves and explore the animals and formations. See what kinds of activities and experiments have helped us understand what most people only see.

Our box caves will be found in Highland's Gym!

- 95. Impressions & Patterns: Variety** **Grade 1**
Morgan Love
Room X
- 96. Suzie Olson**
Room V

Patterns here, patterns there, patterns everywhere!! Join our pattern experts as they share their discoveries and extensions of patterns in the alphabet, symmetry, color, animals, environments, quilting, weaving, music, dancing, number sequences, Fibonacci and stories. See how our experts have tied it all together in our pattern web.

- 97. Impressions & Patterns: Fine Arts** **Grade 1**
Beth Fawley
Room P

Ta da! Come see products of our pattern exploration in music, art, and dance. You'll see paintings, math mysteries, music compositions, and an analysis of patterns throughout fine arts.

- 98. Impressions & Patterns: Language Arts** **Grade 1**
Becky Heinn
Room T

Please come to our room and set your eyes on the writing patterns that we have explored. Read delightful haikus, silly limericks, tasty couplets, and challenging Fibonacci poetry as you walk around. Glance at the circular patterns in stories and the growing patterns in tall tales. Search for palindromes and tongue twisters, and find the patterns in our mysteries. You will be amazed by how talented we are and by how much we have learned as poets and authors.

99. Impressions & Patterns: Math and Science

Grade 1

Kathy Kolb
Room R

Welcome to our laboratory!!! Acting as scientist, using the tools and language of science, the class has performed simple experiments, collected and shared information, and observed and investigated properties of living and nonliving things. Mathematical patterns and puzzles encouraged problem solving skills. Literature, nonfiction, guest speakers, and our field trip reinforced that math and science can be found everywhere. Class activities have emphasized process although we have many projects to share.

Columbia Heights High School

02. El Mercado

Grades 2-3

Kerry Feirn
Room 266

Please join us for an introduction to Spanish culture. These students have created an atmosphere of things that one would find if they visited a market in a Spanish-speaking country. Such items include piñatas, pottery, ponchos and other arts and crafts. Along with this you will see their books filled with the Spanish words, phrases and cultural concepts that they have studied and experienced. We will also sing a song for you, dance, and give you our very special Spanish greeting. Who knows, we may even have you bargain with us!

03. From Story to Stage

Grades 2-3

Colleen Daniels
Room 250

73. Doreen Karlsson

Room 252

Be among the first to preview the works of the area's most promising playwrights! Students have adapted their favorite books – or sections of them – into play scripts. On display will be their director's books, which contain the play scripts, as well as light, sound, props, music, and make-up notes. In addition, our playwrights will unveil costume designs and set models ready for future production of their plays.

- 08. Strategy Games of the World** **Grades 2-3**
Tom Mathern
Room 6

Come and learn the most amazing games in the world! Play ancient games like Chess, Ceega, 9 Men Morris, Mancala and Go-Moku. Discover interesting games like Tchuka Ruma and Tic Tac Check. Join us and we will teach you our own one-of-a-kind games.

- 09. International Detectives** **Grades 2-3**
Maxwell Donsker
Room 260

Solve the cases and see the world. Visit us as we solve crimes in Cuba, Germany, Italy, and China. The students in this class get to “travel” the world and learn about different cultures through history, music, food and games. Every solution, puzzle, and discovery brings our detectives closer to the Digital Hacker, and closer to becoming senior detectives.

- 11. Science Encounters** **Grades 2-3**
Lisa Grasdalen
Room 56

We have been learning many things in this hands-on science sampler class. Join us to make your own water lily, and watch it bloom. Try your hand at some clippie fishing. Or, stick your hand in our colloid “ooze.” Test your eyes or your reading skills in an experiment or two.

- 12. Much More Than Moccasins** **Grades 2-3**
Linda Rasmussen
Room 167

Discover some of the many crafts and activities Native American children learned to help them prepare for life in the wilderness before modern times. See our crafts, books, artifacts, art, posters, and yes, student made moccasins.

- 13. Safari!** **Grades 2-4**
Kirenza Swanson
Room 264

You are welcome to join us for a Safari through our African adventures. Come explore docolecahydron animal information, African folktales, Kangas, talking sticks, masks, rain sticks, and Zulu dolls. Karibu Sana!

- 14. Japan** **Grades 2-5**
Christine Tauer
Room 102

Konnichiwa! Hello from Japan...the land of the rising sun. We have looked at the Japanese wood block prints of Hokusai and Hiroshige. We looked at how these artists influenced the French Impressionists of Europe. We wrote haiku poetry, folded origami cranes, and painted in the Japanese style. We visited the Japanese section at the Art Institute, three Japanese gardens, and a Japanese restaurant. We made miniature Japanese landscape gardens.

At the program we will present five Japanese folk-tales in the “Kyogen” style of Japanese drama. Sayonara! Program begins at 7:00 p.m.

- 15. Rock World** **Grades 3-4**
Maira Simonson
Room 166
- 85. Sarah Olson**
Room 164

Rock World Explorers dug into rocks more than you can imagine. Come to Rock World and check out the sugar gems, model land formations, mystery rock/mineral bags, priceless gemstone necklaces, and personalized rock frames. Best of all, you can page through our Rock World geology books and view our life-size brochures of our travels “Up North.” You can also watch a movie from our geological experiences. Rock World-IT ROCKS!

- 16. Samantha & Her World** **Grades 3-4**
Nancy Roussin
Room 8

We graciously present to you our calling cards and respectfully request your presence for a visit on Wednesday evening. Stroll through our parlor filled with the most fashionable turn-of-the-century hats. Of course, a parlor wouldn't be proper without an array of beautifully handcrafted items such as paper fans, heart-shaped sachets, gingerbread houses and pressed flowers. See if you can guess what the four objects on display were used for in 1904. Before you leave, be sure to spend some time browsing through our 1902 Sears Catalogue.

17. Is it Magic...or Illusion?

Grades 3-5

Tom Cloutier
Room 268

Our young magicians will be set up around the room doing performances beginning at about 6:40 and continuing throughout the evening. There will be disappearing spots, balls penetrating through solid cups, ropes that change length, vanishing liquid, card magic, mind reading, the terrifying sword box, and more. Each student also learned how to shrink a live human and we have the pictures to prove it so come on in and check us out. You won't believe your eyes! Just keep telling yourself, "It's only an illusion, it's only an illusion."

18. The Weight of it All

Grades 3-5

Bruce Pap
Room 60

We have an awesome group of architect students. Please come to our room to see a sample of some of the things we have been working on. See our company bridges (which will be tested for strength literally to a breaking point on our last day of Summer Academy). We would also like to show you a sample of some of our structures. We are looking forward to seeing you!

21. Go West, Young Woman

Grades 3-5

Rhonda Lajko
Room 254

Donning our prairie bonnets, we welcome you to our world of Pioneer life. Step back in time to the mid-1800's, as you smell our homemade lye soap and hand dipped beeswax candles! Feast your eyes on our 9 patch quilts, historical artifacts, our prairie town and the written accounts of daily life as recorded by our young journalists. Westward ho!

23. Design Studio

Grades 3-6

Ann Roman
Room 253

Please stop by and visit our "Design Studio" gallery upstairs in the high school. We have been very busy drawing and designing. Look for our "Suns" and our logo's for an imaginary sports team. Be sure and check out the Logo's we have designed for some of the other classes here at the Academy.

- 24. Bubbleology: The Chemistry and Physics of Bubbles** **Grades 4-5**
Marcia Kath
Room 59

Our skilled scientists will have posters they have constructed explaining many of our experiments and scientific activities that we have conducted during Summer Academy. There will be students around the lab who are interested in showing you certain experiments, starting at 6:40. We have studied how space exploration and bubbles are related, how to test and analyze the best solutions, the chemistry and physics involved with bubbles and how pervasive this science is in everyday life. Please come and be amazed at how fun and interesting science can be!

- 28. Improv-athon** **Grades 4-6**
Scott Larson
Room 101

Please join this hilarious and energetic group as they entertain you with their amazingly creative humor. We will perform two 30-minute shows, 6:30 and 7:30 p.m. You will laugh yourself silly.

- 29. “Freedom’s Song”** **Grades 4-6**
Susan Huemann
Performing Arts Center

Please join us as we tell the story of the Harriet Tubman and the Underground Railroad. The show begins at 6:45 p.m. in the Performing Arts Center and lasts approximately 45 minutes.

- 31. Kovacs & Associates, Attorneys at Law** **Grades 4-6**
Jamie Kovac
Room 100

The law firm of Kovacs and Associates is pleased to announce the opening of their new offices in room 100 of the Columbia Heights High school. Come join us in welcoming our 22 new associate attorneys and celebrate with us in this expansion of our firm. We will be hosting an open house on Wednesday, July 1st from 6:30 – 8:30 where you will have the opportunity to tour our offices and meet our best & brightest new attorneys.

- 32. Take It To The Limit** **Grades 4-6**
Holly Ashton
Room 251

Come to Room 251 to see the amazing amusement park we have built. We have K'nex roller coasters, Ferris wheels and more! We are learning about square numbers and square roots; sines, cosines and tangents, limits, integrals, derivatives and more. Room 251 is full of math challenges that push the limits!

- 34. Nature At The Draw** **Grades 4-6**
Faye Ormseth
Room 61

Everyone is invited to the Nature at the Draw NATURE ART GALLERY located in the lower level of the high school. Come browse through our displays of birds, butterflies, reptiles and zoo animals. You'll see a variety of pencil and colored pencil drawings. You'll be amazed by the creative efforts of all the talented young artists in this class. Don't miss your chance to view this unique exhibition of nature drawings!

- 35. More Than A Game** **Grades 4-6**
Jonathan Klippenes
Room 5

All types of games are found here whether it be cards, dice, board, group, or maybe some other kind. Stop by to see and play the innovative original games and modified classic games the students have created. Be careful though, once you are here, you may not be able to leave if a tantalizing game has begun!

- 37. Physics, Physics, Physics** **Grades 4-6**
Abe Hanson
Dave Eckstrom
Room 58

Come check out the physics of balloon racers, water rockets, and other cool physics experiments. If you've ever wondered how physics influences the world, stop by Physics, Physics, Physics!

- 38. Castles, Kings & Other Things** **Grades 4-6**
Mair Owen
Room 262

Croeso (Welcome) to our room. Come join us in a Celtic celebration. We will teach you a Welsh folk dance to share our collection of Castles, Kings & Other Things!

- 40. Music Ensemble & Technology** **Grades 4-8**
Peter Duggan
Room 3

Music Technology & Ensemble is a cooperative class where the kids learn to compose songs, record radio dramas, master music notation software, and sing songs together. Stop by to see and hear our music.

- 43. Architectural Design** **Grades 5-6**
Fred Feirn
Room 4

How do you fit 19 homes in one classroom? Easy. Build them to 1/4" scale. Come visit the parade of homes. Each home was designed and built by our future architects. Come early, as the models will be taken home that night.

- 45. Intro to Aviation** **Grades 5-7**
John Schmidt
Room 165

You are invited to stop by and visit Intro to Aviation in room 165. Parents are welcome to view their students perform air show maneuvers and view portions of aviation articles that were a part of our class! Happy Landings!

- 46. www.Geocaching.SA** **Grades 5-7**
Jay Huemann
Room 255

GPS coordinates are fun to learn and use. Come and ask our students how to read latitude and longitude. Learn about the exciting game called Geocaching and find out how you can become a Geocacher.

- 47. Incredible Machines, Devices & Gizmos** **Grades 5-7**
John Stangl
High School Gym
- 77.** Jim Shey
High School Gym

Tour a pinball penny arcade and pit your skills against the mechanical masterminds who designed these incredible machines. You will be amazed at the complexity and good old-fashioned scientific ingenuity that went into the design and construction of these working models of pinball machines. You can also test your score, sense of imagination and take a ride on our scale model roller coasters. Please handle the games with care, as 99% of the product is only cardboard, paper and glue.

- 50. Passion For Fashion** **Grades 5-7**
Stacy Anderson
Room 256-258

Step into the world of fashion! Take a sneak peek at what future fashion designers have created by looking at their trendy fashion designs. You will also see how fashion has changed over time through a slideshow created by the students. Don't miss the fashion show displaying their favorite outfits at 7:15 pm! The fashion show will be in room 263 and the designs are displayed in room 256.

- 52. Clay Studio** **Grades 5-8**
Ann Celiberti
Room 57

Please join us! Our wonderful clay creations will be on display. You will have an opportunity to see Clay Studio students in action as they demonstrate their newly learned throwing and hand-building skills. In addition, student-designed group displays will inform you about the ceramic process.

- 53. Simulation Games Merchants & Generals** **Grades 5-8**
Harry Nara
Room 160

We started class by introducing 8 different multi-player board games; Settlers of Catan, Risk, History of the World, 4000AD, Carcassonne, Ticket to Ride, Puerto Rico, and Diplomacy. Students have been rotating through as many games as time permits. We have discussed game design elements such as theme, strategy, probability, rules, pieces, cards, boards and others. We then began journaling around four basic questions that guided them toward their personal game design ideas. They were given approximately 10 hours of work time apart from their gaming. Their final products represent only the beginning of their total simulation design. The students were instructed to focus on producing the packaging, pieces, board, rules, or other facets of their games. Simulations take a great deal more time to complete but they had a great time designing, sharing, and testing a couple elements of their own game designs. In between board gaming times, we also engaged in entire classroom simulations such as; real "online" stock market, artificial "paper" stock market, wheat market trade, specialization production & trade, supply demand & price, horse & auto racing. To get behind the real world actions in our simulations, we took a field trip to the St Anthony Falls area in Minneapolis. We looked at the site and situation of how and why the city developed as a result of its unique geography and history. The Federal Reserve, Lock & Dam, Grain Exchange, and Mill City Museum provided a full day but created a context for the concepts behind our work in class.

55. The People Drawing Studio
Jean Thurston
Room 162

Grades 5-11

Come join us in appreciating the talent and hard work of the artists in “Gallery 162.” View the many ways we have learned to capture faces as well as posed and action figures. From Cassatt Degas, Lautrec, Renoir, and Picasso to Frida Kahlo and many others, we studied styles of drawing and coloring techniques. Come see our masterpieces!

58. Confectionery Crafting
Renee Janas-Johnson
Room 103

Grades 6-11

Come and visit our confectionery creations. Students have been actively involved creating torted bundlette cakes, wafer paper designs, layer cake contest, cookie bouquets and much more. Stop by and enjoy their creative efforts.