Stepping Stone SCHOOL

Concept: Ancient Pioneers and Explorers

Focus: *Pioneers of Ancient Times*

@ THE BRAINERY

Person of Interest

Marco Polo

- 1254 – January 8–9, 1324

- Venetian merchant traveler whose travels are recorded in ***Book of the Marvels of the World***, a book that introduced Europeans to Central Asia and China.

- Marco Polo was not the first European to reach China, but he was the first to leave a detailed chronicle of his experience.

- This book inspired Christopher Columbus and many other travelers, as well as influencing European cartography.

S T E A M

S.cience– the study of why and how things happen

T.echnology– creating items to make tasks easier

E.ngineering– using science to problem solve

A.rts– using imagination to create things of beauty

M.ath– the science of number, quantity, and space

Math & Literacy Pod

- The Silk Road
- Mapping Rome
- Cubit Measuring
- Greek God Word Search

STEAM Focus: Math & Engineering

Scientific Discovery Pod

- Paperclip Bow and Arrow
- Homemade Compass
- Sundials

STEAM Focus: Technology & Science

Artistic Production Pod

- Make Viking Helmets
- Making Papyrus
- Petroglyphs

STEAM Focus: Arts & Engineering

Broadcast Communication Pod

- Words in Ancient Civilization
- My Favorite Ancient Civilization is _____ Because...

STEAM Focus: Math & Arts

Mind Agility Pod

- Design a Natural Habitat
- Xenosmilus Discovery
- Treasure Map of Egypt Pyramid

STEAM Focus: Technology & Science

Character Word/Activity of the Week:
Caring: Caring to 100

Good Eats

- Ancient Roman Cheesecake
- Egyptian Palace Bread

Game Time

- Marco Polo
- Mummy
- Order Out of Chaos
- Ali Baba and the Forty Thieves

Vocabulary Corner

- Civilization
- Ancient
- Greece
- Egypt

Spanish/Dual Lang.

Old: Antiguo

Classic: Clásico

Stepping Stone SCHOOL

Concept: Ocean Pioneers and Explorers

Focus: *Pioneers of the World's Oceans*

@ THE BRAINERY

Date June 19-30

Person of Interest

Ferdinand Magellan

- c. 1480 – 27 April 1521

- Portuguese explorer who organized the Castilian ('Spanish') expedition to the East Indies from 1519 to 1522, resulting in the first circumnavigation of the Earth, completed by Juan Sebastián Elcano.

- Commanding a fleet of five vessels, he headed south through the Atlantic Ocean through the Strait of Magellan into a body of water he named the Pacific Ocean.

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Math & Literacy Pod
- Calculating Leagues
- Big Fish Stories
- Plotting Islands
- Mapping Columbus

STEAM Focus: Math & Engineering

Scientific Discovery Pod
- Density Columns
- Salt Density Flotation
- Buoyancy Experiments

STEAM Focus: Technology & Science

Artistic Production Pod
- Origami Boats
- Making Canoes
- Spy Glass

STEAM Focus: Arts & Engineering

Broadcast Communication Pod
- I Can Protect the Ocean By...
- How Many Words Can You Find In Oceanic?

STEAM Focus: Math & Arts

Mind Agility Pod
- Provisions for an Ocean Voyage
- Astrolabes
- Treasure Maps

STEAM Focus: Technology & Science

Character Word/Activity of the Week:
Caring: The Care Chair

Good Eats
- Hard Tack
- Lime Dip

Game Time
- Whale Hide & Seek
- Sharks & Minnows
- Octopus Tag
- Ocean Animal Tag

Vocabulary Corner
- Oceanography
- Salinity
- Beach
- Tides

Spanish/Dual Lang.
Ocean: Oceano
Water: Agua

Stepping Stone SCHOOL

Concept: Space Pioneers and Explorers

Focus: *Pioneers of the Final Frontier*

STEAM

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A.rts– using imagination to create things of beauty

M.ath– the science of number, quantity, and space

Person of Interest

Sally Ride

- May 26, 1951 – July 23, 2012
- American physicist and astronaut She joined NASA in 1978 and became the first American woman in space in 1983.
- Ride remains the youngest American astronaut to have traveled to space, having done so at the age of 32.
- She served on the committees that investigated the Challenger and Columbia space shuttle disasters, the only person to participate on both.

Good Eats

- Astronaut Applesauce
- Moon Cake

Math & Literacy Pod

- Planet Size/Distance
- Rocket Trajectory
- Spacewalk Training
- Microgravity Measuring

STEAM Focus: Math & Engineering

Scientific Discovery Pod

- Balloon Rockets
- Moving and Working in Space
- Alien Egg

STEAM Focus: Technology & Science

Artistic Production Pod

- Origami Stars
- Design a Spaceship
- Build a Moon Rover

STEAM Focus: Arts & Engineering

Broadcast Communication Pod

- Words in Outer Space
- If I Lived in Outer Space, I Would...

STEAM Focus: Math & Arts

Mind Agility Pod

- Space Rocks Game
- Alien Message
- Blast Off

STEAM Focus: Technology & Science

Game Time

- Hot and Cold
- Supernova
- No Stars Out Tonight
- White Dwarf/Black Hole

Vocabulary Corner

- Star
- Constellation
- Galaxy
- Supernova

Spanish/Dual Lang.

Space: Espacio
Star: Estrella

Character Word/Activity of the Week: Responsibility: Behavior Journal

Stepping Stone SCHOOL

Concept: **Focus:**

Frontier Pioneers and Explorers
Explorers of Earth's Wilderness

@ THE BRAINERY

Date
July 17-28

Person of Interest

Lewis & Clark

- Meriwether Lewis (August 18, 1774 – October 11, 1809) and William Clark (August 1, 1770 – September 1, 1838) were American explorers, soldiers, Indian agents, and territorial governors.

- They were the leaders of the Corps of Discovery Expedition which was commissioned by President Thomas Jefferson shortly after the Louisiana Purchase in 1803 to find a practical route across the western half of the continent, and to establish an American presence in this territory.

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Good Eats

- Mock Apple Pie
- Johnnycakes

Math & Literacy Pod

- Cattle Drive Distances
- Campfire Songs
- Mapping the Iditarod

STEAM Focus: Math & Arts

Game Time

- Sticks & Stones
- Bull Rush
- Capture the Flag
- Hide & Seek

Scientific Discovery Pod

- Newspaper/Spaghetti Bridges
- Solar Still
- Solar Cooker

STEAM Focus: Technology & Science

Artistic Production Pod

- Newspaper Teepees
- Create a Covered Wagon
- Parfleches

STEAM Focus: Arts & Engineering

Vocabulary Corner

- Frontier
- Wilderness
- Explore
- Trail

Broadcast Communication Pod

- I Like the Wilderness Because...
- How Many Words Can You Find in Wilderness...

STEAM Focus: Math & Engineering

Mind Agility Pod

- Speaking in Other Languages
- Planning a Trip West
- Build a Frontier Home
- Finding Hidden Paths

STEAM Focus: Technology & Science

Spanish/Dual Lang.

Frontier: Fontera
Pioneer: Pionero

Character Word/Activity of the Week:
Responsibility: Brother Help, Sister Help

Stepping Stone SCHOOL

Concept: Flight Pioneers and Explorers

Focus: *Explorers of the Skies Above*

@ THE BRAINERY

Person of Interest

Amelia Earhart

- July 24, 1897 – disappeared July 2, 1937
- American aviation pioneer and author. Earhart was the first female aviator to fly solo across the Atlantic Ocean.
- During an attempt to make a circumnavigational flight of the globe in 1937, Earhart disappeared over the central Pacific Ocean near Howland Island.
- Fascination with her life, career and disappearance continues to this day.

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Math & Literacy Pod

- Flying Machine Blueprints
- Mapping Earhart's Journey
- Flights of Fancy (Short Stories)

STEAM Focus: Math & Arts

Scientific Discovery Pod

- Hovercrafts
- Parachutes
- Cylindrical Wing

STEAM Focus: Technology & Science

Artistic Production Pod

- Paper Airplane
- Biplane Models
- Make a Kite

STEAM Focus: Arts & Engineering

Broadcast Communication Pod

- Words in Flying Machine
- My Favorite Flying Machine is _____ Because...

STEAM Focus: Math & Engineering

Mind Agility Pod

- Making Helicopters
- Bernoulli's Principle
- Up, Up, and Away
- Paper Drop Design

STEAM Focus: Technology & Science

Character Word/Activity of the Week: Fairness: We're on the Same Page

Good Eats

- Balloon Buns
- Airplane Trail Mix

Game Time

- Ball in the Air
- Heads Up, Seven Up
- Crows and Cranes
- Hang Time

Vocabulary Corner

- Airplane
- Helicopter
- Blimp
- Glider

Spanish/Dual Lang.

To Fly: Volar

Airplane: Avión

Stepping Stone SCHOOL

Concept: Future Pioneers and Explorers

Focus: *Pioneers Leading the World Into the Future*

@ THE BRAINERY

Date Aug 14-18

Person of Interest

Elon Musk

- Born June 28, 1971, he is a South African-born Canadian-American business magnate, investor, engineer, and inventor.

- He is the founder, CEO, and CTO of SpaceX; co-founder, CEO, and product architect of Tesla Motors; co-founder and chairman of SolarCity; co-chairman of OpenAI; co-founder of Zip2; and founder of X.com.

- As of June 2016, he has an estimated net worth of US$11.5 billion, making him the 83rd wealthiest person in the world. In December 2016, Musk was ranked 21st on Forbes list of The World's Most Powerful People.

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Math & Literacy Pod

STEAM Focus: Math & Arts

- Hitchhiker's Guide to the Galaxy
- Utopian Ideas
- My Plan to Save the Environment

Scientific Discovery Pod

- Testing For Pollutants
- Program a Robot
- Time Capsule

STEAM Focus: Technology & Science

Artistic Production Pod

- Futuristic Transport Design
- Fortune Tellers
- Design a Space Station

STEAM Focus: Arts & Engineering

Broadcast Communication Pod

- Words in Futuristic
- In the Future, I Want to _____ Because...

STEAM Focus: Math & Engineering

Mind Agility Pod

- Technology of Tomorrow
- Journey to the Center of the Earth
- Crash Landing
- Build a Treetop Walkway

STEAM Focus: Technology & Science

Character Word/Activity of the Week:

Fairness: Rumors

Good Eats
Vegan Recipes

- Making Pickles
- Microwave Potato Chips

Game Time

- Energy Transfer
- Plant Tag
- Mother Earth May I?
- Machines

Vocabulary Corner

- Time
- Conservation
- Future
- Past

Spanish/Dual Lang.

Future: Futuro
Past: Pasado