WHERE WILL STEM TAKE YOU?

APRIL 5-8, 2018 | WASHINGTON, DC

AT THE USA SCIENCE & ENGINEERING FESTIVAL

INTO THE DEEP BLUE

COOL STATS:
- Earth’s solar system formed about 4.6 billion years ago
- 137 billion miles is the farthest any spacecraft has traveled
- The Earth is 70 million miles from the Sun
- 2.6 billion pounds in mass is the largest spaceship on record

COLOSSAL CREATURES:
- 1.2 billion tons could fit inside the red giant star Betelgeuse
- 1.2 million Earths could fit inside the Sun
- NASA’s first Space Launch System vehicle weighed 5.7 million tons

INTO OUTER SPACE

COOL STATS:
- There are 18 volcanoes in the U.S.
- Half forests make up 8% of the Earth’s land surface, but produce 40% of its oxygen
- Bamboo can grow 3 feet in height in 24 hours
- The lowest temperature ever recorded on Earth was -128.6° F in Antarctica

COLOSSAL CREATURES:
- The heaviest polar bear recorded: 2,210 lbs
- An elephant can smell water from 12 miles away & pick up to 300 pounds of food a day
- The most powerful parrot beak recorded: 2,010 lbs

INTO NATURE

COOL STATS:
- The human brain contains approximately 100 billion neurons
- Microorganisms in the body outnumber human cells by 10 to 1
- There are 3 billion letters, or base pairs, in the human genome
- The adult human skeleton is made up of 206 bones
- The millions of cells in the body are organized into just 200 major types

AMAZING CREATURES:
- The black mamba snake slithers up to 7 miles per hour
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INSIDE THE HUMAN BODY

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POWERFUL PROTEINS:
- Hemoglobin carries oxygen in your blood
- Enzymes in saliva and the stomach produce digestive enzymes that break down food

AMAZING JOBS:
- Medical Illustrator, Prosthetic Designer, Structural Geologist, Science Photographer, Epidemiologist

INTO CYBERSPACE

COOL STATS:
- Less than 45% of internet traffic is generated by humans
- More than 50% of internet activity is generated by bots & malware
- 18.9 billion web pages are hosted daily
- Cyber crime damages could cost $6 trillion a year by 2021
- This Libertarianism unemployment rate is 8%

CYBERSPACE SURROUNDS US

Cyberspace is not a place – Cyber is all around us. It’s an extension of our ideas in our mind!