



A New **STEM** Series!!

Piner High School

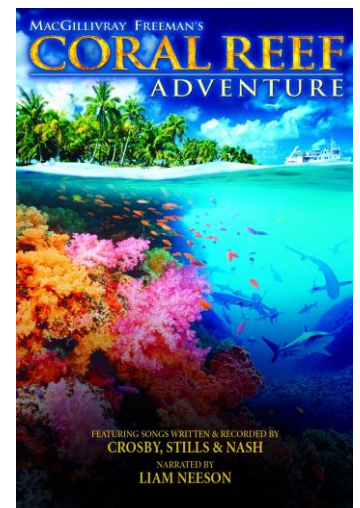
Thursdays 7pm-8:30pm

SPARQ Planetarium, 360° Full Dome Feature Film, and Science Documentary Series!

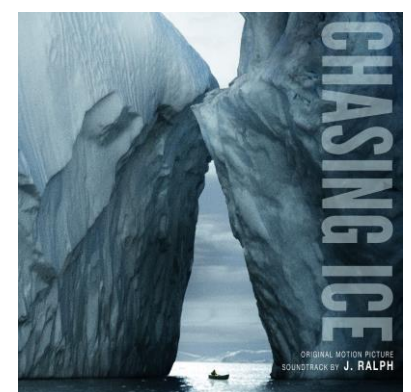
1/28 Intro to the SPARQ Planetarium and Observatory (45 min)
Dynamic Earth (Full Dome Presentation) (35 min)
-**Dynamic Earth** explores the inner workings of Earth's climate system. With visualizations based on satellite monitoring data and advanced supercomputer simulations, this cutting-edge production follows a trail of energy that flows from the Sun into the interlocking systems that shape our climate: the atmosphere, oceans, and the biosphere.



2/25 Intro to the SPARQ Planetarium and Observatory (45 min)
Coral Reef Adventure (Large Screen Presentation) (40 min)
-**Coral Reef Adventure** follows the real-life expedition of ocean explorers and underwater filmmakers Howard and Michele Hall. Using large format cameras, the Halls guide us to the islands and sun-drenched waters of the South Pacific to document the health and beauty of coral reefs.



3/31 Chasing Ice (Large Screen Presentation) (75 min)
-**Chasing Ice** is the story of one man's mission to change the tide of history by gathering undeniable evidence of our changing planet. Within months of that first trip to Iceland, the photographer conceived the boldest expedition of his life: The Extreme Ice Survey. With a band of young adventurers in tow, Balog began deploying revolutionary time-lapse cameras across the brutal Arctic to capture a multi-year record of the world's changing glaciers.



4/28 Intro to the SPARQ Planetarium and Observatory (45 min)
Solar Super-Storms (Full Dome Presentation) (35 min)
-**Solar Super-Storms**: A fury is building on the surface of the Sun – high-velocity jets, a fiery tsunami wave that reaches 100,000 kilometers high, rising loops of electrified gas. What's driving these strange phenomena? How will they affect planet Earth? Find the answers as we venture into the seething interior of our star.



5/19 Full Dome Double Feature
-**Dynamic Earth** (30 min)
-**Super-Volcanoes** (30 min)

-**Super Volcanoes**: The scene was 74,000 years ago, on the island of Sumatra. A volcanic eruption triggered the sudden and violent collapse of a vast regional plateau. Toba, as the volcano is known today, was the largest volcanic eruption in the last 25 million years. But Earth has seen far larger. 250 million years ago, an eruption in what's now Siberia lasted a million years and was probably responsible for the greatest episode of mass extinction in Earth's history.

