

Scobee Education Center at San Antonio College

1819 N. Main Ave.
San Antonio, TX 78212
210-486-0100

Program Guide
2021 School Year



Since many of our classes may actually be combinations of school rooms, living rooms or kitchen tables, the crew of the Scobee Education Center would like to invite you to join us as we embark upon celestial adventures from the safety of wherever your students are learning. We want to partner with you by providing engaging material, while maintaining physical distancing.

You and your adventurers may rocket through the solar system with animated tour guides, sail through the constellations of the night sky, or discover new worlds. There are currently 9 virtual planetarium programs to choose from and two virtual Challenger Learning Center missions.

We have also partnered with Future Ready SA and helped create virtual TEKS inspired activities. Future Ready SA is a groundbreaking initiative that joins learning opportunities for young people in a way that allows them to think about, pursue, and develop their interests. Future Ready SA bridges learning that happens in and outside of school, facilitating a young person's discovery of new paths and interests and exploration of the city's opportunities. This initiative supports kids as they connect with what they can learn, make, do, and ultimately, become.

Our center reservation secretary, Monica Gutierrez, will help you select available dates, times and grade appropriate programs. You may register for planetarium or Challenger programs and request more information about available resources. For reservations or questions, contact Monica Gutierrez at 210-486-0100 or e-mail her at sac-ScobeeCtr@alamo.edu.

We look forward to the opportunity to work with you and your students to introduce them to these "out of this world" experiences when and where they are learning and exploring today.

Sincerely,

A handwritten signature in black ink that reads "Rick Varner". The signature is stylized and cursive.

Rick Varner
Center Director

Scobee Education Center at San Antonio College

What's New for a Virtual 2021!

Planetarium Program Descriptions and TEKS

Our planetarium programs are designed to be “grade-specific.” If you have questions about program content and which show to choose, ask our reservation secretary, Monica Gutierrez at 210-486-0100. The “Sky Tonight Live” presentation is the only astronomer led presentation offered with a \$100 fee for up to 100 students via the Zoom Web platform.

The remaining shows are being offered for a limited time through the registration process at no fee. The educator will receive the streaming web page link with the completed registration form indicating how many students are expected to watch the program which they may then watch as a class or independently like a reading assignment on their own time and device.

Currently available shows are listed in alphabetical order.

Presentations available for your classroom:

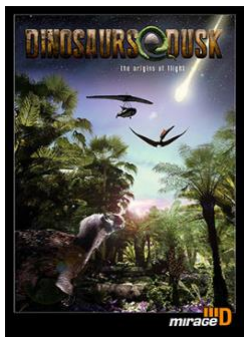


“THE SKY TONIGHT” – Grades 2nd and above. “THE SKY TONIGHT” takes the audience on a “live” tour of the wonders of the San Antonio night sky. This program highlights the Moon, the visible evening and morning planets, plus identifies several of the brightest stars and constellations in the current night sky. Plus, any special celestial events are also highlighted. This program is recommended if you have a wide variety of ages attending the planetarium. Duration: 45 minutes.

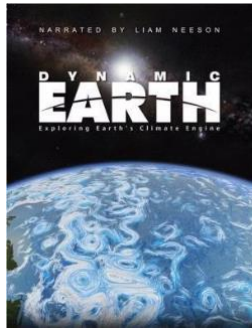
Available for streaming to your classroom:



“BIRTH OF PLANET EARTH” – Grades 6th and above. Scientists now believe that our galaxy is filled with solar systems, including up to a billion planets roughly the size of our own. The film employs advanced, data-driven, cinematic-quality visualizations to explore some of the greatest questions in science today: How did Earth become a living planet in the wake of our solar system’s violent birth? What does its history tell us about our chances of finding other worlds that are truly Earth-like? Duration: 24 minutes.



“DINOSAURS AT DUSK” – Grades 3rd and above. Take to the skies and discover the origins of flight in this show. Dinosaurs at Dusk is a learning adventure of a father and his teenage daughter Lucy who share a fascination for all things that fly. You will travel back in time to meet the pterosaurs and the ancestors of modern-day birds: the feathered dinosaurs. Lucy and her father will navigate from continent to continent to look clues for the origins of flight until time runs out and they experience first-hand the cataclysmic last day of the dinosaurs. Duration: 41 minutes.



“DYNAMIC EARTH” – Grades 3rd and above. Explore 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. Audiences will ride along on swirling ocean and wind currents, dive into the heart of a monster hurricane, come face-to-face with sharks and gigantic whales, and fly into roiling volcanoes. Duration: 27 minutes.



“MARS: ONE THOUSAND AND ONE” – Grades 3rd and above. An international crew of astronauts is about to embark on the first interplanetary journey in history, the first manned mission to the surface of Mars. Witness firsthand their brave attempts to put human footprints on Mars and return safely to Earth. Duration: 53 minutes.



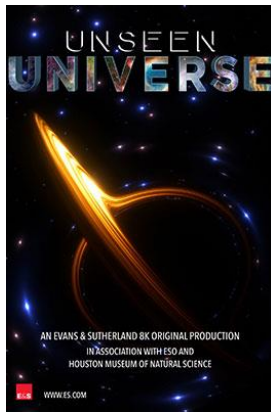
“SECRET LIVES OF STARS” – Grades 5th and above. Not all stars are created equal. Some are massive. Others are tiny; almost insignificant. The specific characteristics of a star will determine what type of life it will lead, how long it might live and even the type of death it will die. We will witness the amazing variety of stars and peer into their secret lives. Narrated by Sir Patrick Stewart of TV's Star Trek: The Next Generation. Duration: 29 minutes.



“SUPER VOLCANOES” – Grades 6th and above. 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. Join us as we explore volcanoes and if another super volcano will arise. Duration: 24 minutes.



“THE ZULA PATROL: DOWN TO EARTH” – Grades kindergarten – 5th. While on a routine fossil-hunting expedition, the Zula Patrol turns up evidence that the villainous Deliria Delight has been travelling back in time to Earth's prehistoric past to illegally dump her company's toxic trash. The Zula Patrollers must find and catch her. In the process our heroes learn all about the formation and development of Earth, and the life forms who call it home. Duration :24 minutes.



“UNSEEN UNIVERSE” – Grades 7th and above. For millions of years, our view of the heavens has been limited by our eyes, limiting us to only see a narrow band of electromagnetic radiation we call visible light. For the first time ever, in the greatest breakthrough since the invention of the telescope, we now have the technology to capture the Universe over an amazing width of the spectrum and beyond. Duration: 25 minutes

Challenger Learning Center Virtual Missions



The Challenger Learning Center team has developed two virtual missions which may be experienced in a classroom, hybrid or entirely virtual environment. Each mission requires students to be working individually on their internet supported device as a member of a team. Students on each team will work with their colleagues to undertake research and analysis tasks to successfully complete their mission. Each mission is led by a Scobee Commander and runs for approximately 45 to 60 minutes and may support 8 to 24 students depending upon the mission selected. A \$100 fee is charged for each mission.



“DESTINATION MARS” - 4th – 6th grades. 8-24 students assigned to four teams; Geology, Rover, Navigation and Conditions. For this mission “teamwork” is critical to the mission and the larger the number of students assigned to each team the greater the need for collaboration and cooperation between their duties. Student teams will select the Martian moon on which to build a base by analyzing three sets of data collected by rovers on Deimos and Phobos.

Available after March 2021.



“EUROPA ENCOUNTER” – 6TH – 8TH Grades. 8 -13 students each assigned to a unique mission control station; Communications, Navigation, Probe, Remote, Energy, Space Weather, Oceanographer, Astrobiologist, Life Support, Radiation, Hazards, Medical, and Satellite Communications.

The year is 2042 and the student teams are assigned to their remote mission control stations after an emergency closes the center. Each student researcher is responsible for information that is focused on keeping the commander and her crew safe, while carrying out their mission to exploring Jupiter’s moon Europa with a remote probe that dive deep beneath the moon’s massive ocean.

Science TEKS	Birth of Planet Earth	Dinosaurs at Dusk	Dynamic Earth	Mars 1001	Secret Lives of Stars	Super Volcanoes	The Sky Tonight	The Zula Patrol	Unseen Universe	Europa Encounter Virtual Mission	Destination Mars Virtual Mission
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7.8		√	√								
7.9, A	√	√	√	√	√		√			√	
7.10		√	√	√		√			√		
7.12.A-B										√	
7.13.A-B										√	
8.2.C, E										√	
8.3.A-B										√	
8.4.A										√	
8.6.A										√	
8.7, C		√	√	√	√		√			√	
8.9						√					
8.8, C	√	√	√	√	√	√	√		√	√	
8.10	√	√	√								
8.11		√	√								
HS AQUA		√	√								
HS AST	√	√	√	√	√	√	√		√		
HS BIO	√	√	√								
HS E&S Science	√	√	√	√	√	√	√		√		
HS ENVI		√	√			√					