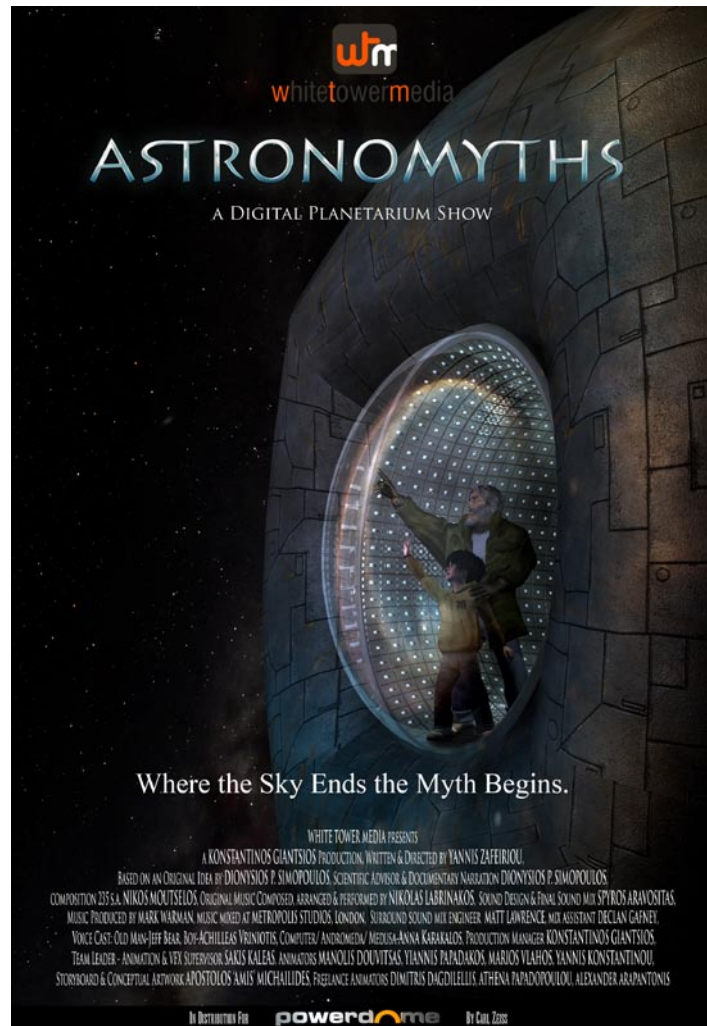


Astronomyths The Autumn Sky



An educational and inspiring
full-dome show for
powerdome® Planetariums



We make it visible.

ASTRONOMYTHS - Autumn Sky

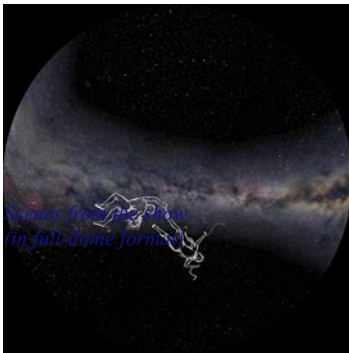
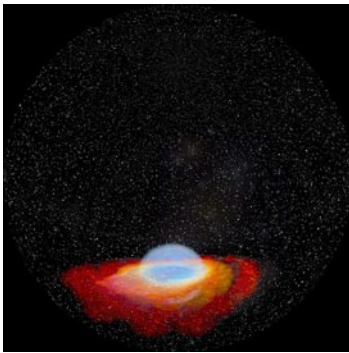
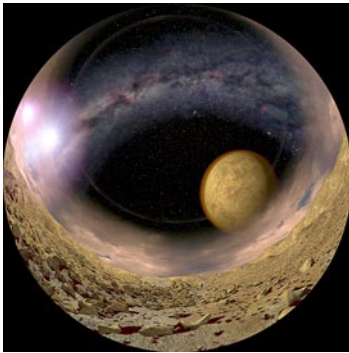
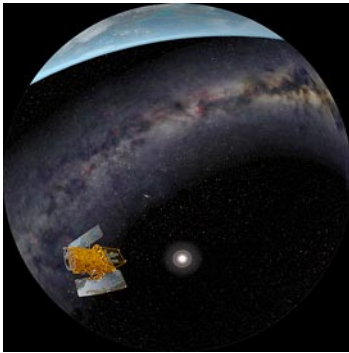


Using cutting edge 3D Animation under the watchful eye of a talented group of collaborators, ASTRONOMYTHS presents an evocative storyline that for the first time in the history of educational planetarium programming joins together the magnificent full-dome experience with the dramatic action of the cinematic form. ASTRONOMYTHS uses a full array of characters (some realistic, some extraordinary), places the fast-paced action in imaginative background settings, and adds dazzling special effects, in order to tell an inspiring story in a most novel and powerful way. It's the night sky as you've never seen it before.

The universe is a circle, and everything in it revolves; every single End, finds an equal Beginning and together the whole world goes round and round forever and ever. The universe of ASTRONOMYTHS is no different. The beginning emulates the end (despite a very surprising twist that will leave you aching for more), and in a journey that lasts under half an hour you will be transported across light years of wondrous sights & sounds. You will witness galactic events that

outlast the lifetime of solar systems. You will watch the seemingly mundane life of an ancient family bond (a granddad and his eager to learn grandson). You will bend the Laws of Nature and will travel from the smallest of the small to the grandest of the grand. You will meet ancient mythological beings in person and will fight terrible monsters, trying to become heroes yourself. You will find answers to some of the universe's most elusive mysteries and you will marvel at a Boy's thirst for knowledge while it transforms him from a star-gazing innocent child into a most promising future citizen of the cosmos.

Most importantly ASTRONOMYTHS will playfully circle around your consciousness, taking you into an upward spiral flight through light and sound, which will dazzle your senses and explode your knowledge, until it ultimately changes the way you are able to look up into the night sky forever. Education never before has been more fun with this multi-layered story about a simple night out, deep in the heart of nature.



Glimpses of the Content

Chapter 1

Intro – The starry sky at nightfall

In a far away corner of a peaceful, little, blue, third-rock-from-the-sun, deep inside an autumn forest, is a place where two unlikely dwellers have established their camping site. An old man, and a boy, sit around a sizzling fire, while gazing out into the night sky. They are completely isolated from civilization and hundreds of miles away from any other living creature out there. Or so they believe.

Hundreds of billions of bright little spots are sparkling down on their odd little company, a multitude of mysterious stars, seemingly only a grasp away, fuel the Boy's imagination and the Old Man's appetite for a game of discovery.

Chapter 2

Pisces and the birth of a Black Hole

Pretty soon, they begin to explore the mysteries of the universe, and with the help of the old man's almost limitless wisdom and the Boy's almost "magical" book, together they travel on a mesmerizing journey into the cosmos, that helps them meet crystal fish swimming in the sky, flies them through incredibly colorful galactic wonders, chases them alongside myths, heroes, terrible monsters and the most unlikely of friends, all the way through time, space and beyond all the known boundaries of human knowledge and possibility.

Their first step is the Pisces constellation (the Fish), where a violent explosion has been observed by the SWIFT space telescope – the birth of a Black Hole.

Chapter 3

Aries and extra solar planets

The SWIFT telescope located a similar, but nearby gamma-ray explosion in the constellation of Aries.

In the constellation of Aries stars with extra solar planets have been found. It is possible that some form of life may have developed on them.

Chapter 4

Aquarius and our Sun's destiny

Aquarius is the third of the zodiacal constellations in the autumn sky. There the Hubble Space Telescope revealed the multicolored layers of the Helix planetary nebula – the relics of an outburned star. This nebula portrays the future that awaits our own Sun in about five billion years.

Chapter 5

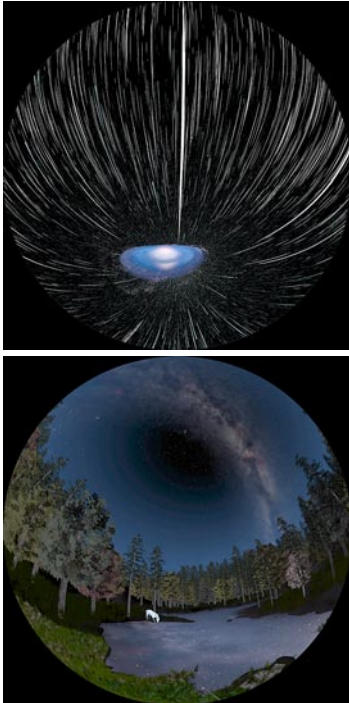
Perseus and his adventure

What better place to look up to our heroes, than putting them in the wonderful stars up there. Perseus was such a hero. He saved Andromeda, the princess of Ethiopia from being eaten by the monster Cetus. All of them and the parents of Andromeda, Chepeus and Cassiopeia, are up in the night sky.

An important class of variable stars is named after a star in the Cepheus constellation. Mira in the constellation of Cetus and Algol in Perseus form other classes of variable stars. Many interesting nebulae and star clusters are located in these constellations



Scenes from the show
(in full-dome format)



Chapter 6

Galaxies and the speed of light

The Andromeda Nebula is the one object in the sky visible to our eyes with the longest distance. The light of the Andromeda galaxy, a city of 200 billion stars, takes 2,3 million years to reach us. Quite near the Andromeda galaxy there is the Triangulum galaxy, in the constellation of the same name. Galaxies are classified in accordance with their shape and they consists of three main parts: a thin disk made of stars, gases and dust, a central spherical core that consists only of stars and finally a scattered halo consisting of primeval stars that surrounds its outer limits.

Chapter 7

Pegasus and strange galaxies

The Pegasus constellation is next to the Fish. The flying horse is drawn upside down in the star pattern.

The most beautiful globular cluster in our night-time sky is located there.

The ring galaxy of NGC 7742, found here as well, resembles a fried egg. It is a Seyfert galaxy with an enormous Black Hole in its core.

Chapter 8

Made of star dust

Everything inside stars used to be spread around the universe. Every cell in our body, contains dust that was once inside a star. We all have the universe inside us. Up there is where we all come from.

The boy's wish: Then one day, I'm gonna go back!

Show specification

Show type	Educational, yet intriguing show on the autumn night sky and its myths
Technology	Full-dome video of 3D computer animated graphics
Orientation	Unidirectional; suitable for concentric seating
Target audience	All age groups upwards of 6
Duration	approx. 25 min
Languages	English; ask for other languages
Production	White Tower Media Productions, 2007
Producer	Konstantinos Giantsios
Script and direction	Yiannis Zafeiriou
Idea, Scientific Advisor & Narration	Dionysios P. Simopoulos
Sold by	Carl Zeiss
Scope of delivery	Full-dome video with surround sound, full-dome trailer with sound, script, marketing materials (poster motifs, pictures)

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We make it visible.