

SFF FINAL REGIONAL SELECTION FOR SOUTH ASIA

EARLY LEARNERS (5-8 YEARS)

Title: **Messy Goes to OKIDO - Mega Power**

Category: Family Edutainment

Directors: Liz Whitaker

Produced by: Doodle Productions Ltd

Running Time: 11:00 Minutes

Country: United Kingdom

Year: 2015

Age Guideline: Early Learners (5 – 8)

Messy Goes to OKIDO is a TV comedy adventure series for children aged three to six, building the next generation of creative scientists. The show was adapted from characters of the children's Arts and Science magazine OKIDO and follows the inquisitive and loveable monster Messy, who brings science to life as he embarks on adventures with his best friends Zoe and Felix through the colourful world of Okido. Together, they are trying to find the answers to life's big questions. In this episode, the Oki-dokis are about to perform when OKIDO runs out of electricity! Will Messy and his friends find a new way of powering the concert for their favourite band?

Title: **The Marble Brothers' Great Adventure!**

Category: Family Edutainment

Directors: Masahiko Sato, Masumi Uchino, Masaya Ishikawa

Produced by: NHK in association with NHK Educational Corporation

Running Time: 15:00 Minutes

Country: Japan

Year: 2018

Age Guideline: Early Learners (5 – 8)

Awards: Prize Winner in Category Up to 6 Fiction @2018 Prix Jeunesse (Germany); Best TV/Web Program @2018 Taiwan International Children Film Festival; Special Prize for Most Creative Film @2018 Children's Film Festival Seattle

In the world of NHK's hit Pythagora Switch, marbles travel through a series of ingenious mechanisms made of ordinary things, setting wondrous contraptions into motion. The heroes are the Marble Brothers: Red, Yellow, and Green. But a dark force is not happy about the fact that they always hog the spotlight! With the envious Black Ball Army hot on their heels, the marbles must band together as they face a number of obstacles. Lying in wait are pitfalls, drawbridges, and paper cups! The delightful inanimate heroes come to life in this addictive visual. The simple yet sophisticated presentation is sure to hook children and adults alike.

Title: The Show with the Elephant: Astronaut**Original Title:** Die Sendung mit dem Elefanten: Astronaut**Category:** Family Edutainment**Directors:** Renate Bleichenbach (Regie Gesamtsendung)**Produced by:** WDR in Zusammenarbeit mit European Space Agency (ESA) und Europäisches Astronautenzentrum (EAC)**Running Time:** 25:00 Minutes**Country:** Germany**Year:** 2018**Age Guideline:** Early Learners (5 - 8)

This time, the "The Show with the Elephant" goes to space. Astronaut Alexander Gerst spent almost 200 days in outer space, reporting exclusively to elephant fans. He shows how he prepared himself for his space mission and how he trained. Then he flies with his international colleagues and of course mouse and elephant to the space station. What does it look like there? How do you prepare a tea, for example? In addition, Alexander Gerst shows what zero gravity is all about and what everyday life in space looks like. At the end, Alexander, Mouse and the Elephant take a look at the Earth from above.

PRIMARY SCHOOL (9-11 YEARS)**Title: Ralph and the Dinosaurs****Original Title:** Ralph et les Dinosaures**Category:** Family Edutainment**Directors:** Marcel Barelli**Produced by:** Nadasdy film**Running Time:** 05:00 Minutes**Country:** Switzerland**Year:** 2017**Age Guideline:** Primary School (9-11)**Awards:** Best animated series, International Animation Festival AJAYU 2018 Puno - Peru

Did you know that some dinosaurs had fur? Has anyone ever told you that the Tyrannosaurus wasn't the biggest flesh eating dinosaur, and that each year we discover new species of dinosaurs, even though they have been extinct for millions of years? And did you know some dinosaurs actually ate stones? Since the existence of these giant creatures was discovered on this planet, our knowledge about dinosaurs and what they must have looked like hasn't stopped changing. Follow Ralph's adventures in the world of dinosaurs and have fun learning or refreshing your ideas about what you think you already know.

Title: Earth to Future - A Future Without Plastic**Original Title:** Erde an Zukunft - Plastikfreie Zukunft**Category:** Family Edutainment**Directors:** Kai Schmitt (Studioregie)**Produced by:** KiKA - Der Kinderkanal von ARD und ZDF**Running Time:** 10:26 Minutes

Country: Germany

Year: 2018

Age Guideline: Primary School (9-11)

"EARTH TO FUTURE" – Plastic-free future: A whale dies in Thailand – with more than 80 plastic bags in his belly. The amount of garbage in the Pacific is much larger than expected – even four times the size of Germany. Every day we receive new shocking reports – but the problem that causes the plastic waste worldwide has actually long been common knowledge. Why are we not doing more to stop it? In many areas of life, we have become used to plastic. Felix experiences on the North Sea island Föhr that things can also be quite different. A future without plastic does not have to be a utopia: "Plastic-free becomes the new trend".

Title: **Nanogirl and the Imaginauts**

Category: Family Edutainment

Directors: Luke Nola

Produced by: NZ on Air, HEIHEI

Running Time: 22:47 Minutes

Country: New Zealand

Year: 2018

Age Guideline: Primary School (9-11)

Nanogirl and the Imaginauts – this is the place where imagination meets science. All science in the world is connected. We explore this idea by showing kids how to use their imagination to create their own Hairy Theory ideas about how the world works. But always keep in mind that while some science is right, some science is SNOTT! In the end, only the Imaginauts will know the truth. In a series of wild games, some get it right, some get it wrong and get 'snotted on'. But it's always fun, it's always messy, and it just might blow your mind!

Title: **The Show with the Mouse - Urban Gardening**

Original Title: Die Sendung mit der Maus: Urban Gardening

Category: Family Edutainment

Directors: Jan Marschner

Produced by: Flash TV Filmproduktion (im Auftrag für de WDR)

Running Time: 25:00 Minutes

Country: Germany

Year: 2019

Age Guideline: Primary School (9-11)

Harvesting fruit and vegetables in the middle of the city – is that even possible? Imke and Miriam are building a raised bed where radishes, strawberries and many other goodies can grow. Step by step, they show what they need, so that in the end, plants can grow in the city – even those that they can eat. Urban gardening refers to the mostly small-scale, horticultural use of urban areas within residential areas or in their immediate surroundings, focusing on sustainable cultivation of horticultural crops, environmentally friendly

production and a conscious consumption of agricultural products. The importance of Urban Gardening keeps growing due to the rapid population growth and ever decreasing cultivation areas.

SECONDARY SCHOOL (12-16 YEARS)

Title: **nine-and-a-half - Your Reporters: Scrap Everything? - What You Can Get out of Broken Electrical Appliances**

Original Title: neuneinhalb – Deine Reporter: Alles Schrott? – Was man aus kaputten Elektrogeräten rausholen kann

Category: Family Edutainment

Directors: Antía Martínez Amor

Produced by: tvision GmbH (on behalf of WDR)

Running Time: 09:30 Minutes

Country: Germany

Year: 2018

Age Guideline: Secondary School (12 - 16)

Two million tons of old refrigerators, smartphones, game consoles and other electronic devices are being thrown away and end up in Germany's garbage every year. Siham wants to find out what is happening afterwards to these huge mountains of junk. She visits the world's largest copper recycler and learns in a repair café that many broken devices can be repaired with some support. This episode of nine-and-a-half shows why this is a good idea and why our electronic waste can become a real danger for people in other countries.

Title: **Nucleosynthesis**

Original Title: Nucléosynthèse

Category: Non-Verbal & Science Shorts

Directors: Thomas Fournier

Produced by: Amopix

Running Time: 03:00 Minutes

Country: France

Year: 2019

Age Guideline: Secondary School (12 - 16)

This mini-series of shorts explains how human beings are made of interstellar particles: The atoms in our body – apart from the hydrogen – were all made in stars ... by stellar nucleosynthesis. The stars on the main sequence get the energy they shine by from nuclear reactions in their cores; off the main sequence, the energy comes from nuclear reactions in a shell – sometimes in more than one shell – around the core. There are several different nuclear reaction cycles, or processes but the end result is the fusion of hydrogen and helium to produce carbon, nitrogen, oxygen... and the iron group. In the red giant phase of a star's life, much of this matter ends up in the interstellar medium ... and one day in our body.

Title: **Earth: The Nature of Our Planet - Episode 01: Air****Category:** Natural Science, Life Science & Technology**Directors:** Ivo Filatsch**Produced by:** A production of Terra Mater Factual Studios GmbH**Running Time:** 50:00 Minutes**Country:** Austria**Year:** 2018**Age Guideline:** Secondary School (12 - 16)

At first sight, our atmosphere seems empty. But this mantle of air is a habitat for life in its own right, and home to a surprisingly wide variety of creatures - the most conspicuous of which are surely the birds. Many seabirds, like the albatross, or the Atlantic puffin, spend much of their lives on the wing. This way, they cover enormous distances. The record holder of the bird world is the sooty tern, which can stay in the air for months at end, flying thousands of kilometres. From drinking, feeding and even sleeping: the sooty tern performs all vital activities in flight. Only during the breeding season does this frequent flyer come onto land, where it raises its young in large colonies.

Title: **Earth: The Nature of Our Planet - Episode 02: Land****Category:** Natural Science, Life Science & Technology**Directors:** Petra Lederhilger**Produced by:** A production of Terra Mater Factual Studios GmbH**Running Time:** 49:59 Minutes**Country:** Austria**Year:** 2018**Age Guideline:** Secondary School (12 - 16)

The tectonic plates of our planet are in constant motion. When they collide and grind against each other, earthquakes or tsunamis may result. Paradoxically, the destructive forces below ground are also a source of new life. It begins when plant seeds are transported by the wind to the pristine new islands; germinate; and then vegetation takes root. The colonisation of new territory is often a matter of chance. When Fruit bats migrate to tropical islands they inadvertently spread plant seeds from one place to the next by means of their excrements; while wind can transport spiders, still clinging to their webs, across vast distances to strange new homes.

Title: **Earth: The Nature of Our Planet - Episode 03: Water****Category:** Natural Science, Life Science & Technology**Directors:** MARTIN MÉSZÁROS**Produced by:** A Production of Terra Mater Factual Studios**Running Time:** 49:46 Minutes**Country:** Austria**Year:** 2018**Age Guideline:** Secondary School (12 - 16)

It's ironic that we should call our planet 'Earth', when two thirds of its surface is covered by water! The oceans, with their fluctuating water temperatures and global currents, also act as a driving force for local weather phenomena and global climate change. In addition, they provide an immense habitat for a countless variety of species. Some of the most important are microscopically small plants and bacteria. Under the right environmental conditions, they can be seen from space in one of nature's most mysterious spectacles, the Algal bloom, a sudden mass reproduction of phytoplankton that changes the colour of vast bodies of water into a creeping, luminescent, blue-green expanse. A wonderful vision but as is so often the case in nature, what is good for some is deadly to others.

Title: **NOVA Wonders - Can We Make Life**

Category: Natural Science, Life Science & Technology

Directors: Series Producers are Michael Bicks and Anna Lee Strachan

Produced by: WGBH Educational Foundation

Running Time: 53:46 Minutes

Country: USA

Year: 2018

Age Guideline: Secondary School (12 - 16)

A series exploring the biggest questions on the frontiers of science. NOVA Wonders takes viewers on a journey to the frontiers of science, where researchers are tackling some of the biggest questions about life and the cosmos. Along the way, we meet the remarkable people who are transforming our world and our future. "It's alive!" Since Dr. Frankenstein spoke those famous words, we've been alternately enthralled and terrified by the idea of creating life in the lab. Now, a revolution in genetic engineering and thrilling innovations in synthetic biology are bringing that dream—or nightmare, as the case may be—closer to reality. New tools allow researchers to use cells to create their own DNA.

Title: **Out of the Cradle: The Origins of Humanity**

Category: Natural Science, Life Science & Technology

Directors: Toru Suetsugu

Produced by: NHK in co-production with PTS, CuriosityStream, Autentic, S4C and France Télévisions

Running Time: 51:00 Minutes

Country: Japan, Taiwan, USA, Germany, UK, France

Year: 2018

Age Guideline: Secondary School (12 - 16)

How did the human family's earliest ancestors, weak and arguably helpless, evolve into one of the most successful species on Earth? This 3-part series tells their story, spanning 7 million years and still very much shrouded in mystery, through findings by the latest in paleoanthropology. At crucial junctures, life-like CGI dramatizations by the world's top video game creators take viewers into the prehistoric world on a level rarely seen in a documentary. Witness this extraordinary and stunning journey tracing the footsteps of early Homo sapiens leaving Africa, reaching the easternmost end of the Eurasian continent and developing a unique culture.

Title: **Point of No Return****Category:** Ecology & Environment**Directors:** Noel Dockstader and Quinn Kanaly**Produced by:** Far West Film Co.**Running Time:** 95:00 Minutes or 60:00 Minutes version**Country:** Unites States**Year:** 2017**Age Guideline:** Secondary School (12 - 16)

The film chronicles one of the most suspenseful and pioneering scientific adventure stories of the 21st century, following two pilots in their attempt to circumnavigate the globe in an airplane fueled exclusively by sunlight, to prove the potential of clean technology and to inspire hearts and minds. Thirteen years ago, Bertrand Piccard and André Borschberg built what many experts deemed impossible: a solar-powered airplane capable of flying day and night. The journey tests more than their technology: In an unheated, unpressurized cockpit, the 5-day solo flight across the Pacific Ocean becomes a feat of endurance. Their journey captivated people around the world – it's a story of hope, courage, and perseverance that gets to the heart of what it will take to solve the biggest environmental threat humans have ever faced.

UNIVERSITY (17+ YEARS)**Title:** **Animal Observation from Space - ICARUS****Original Title:** Tierbeobachtung aus dem All - ICARUS**Category:** Non-Verbal & Science Shorts**Directors:** Fabian Walker**Produced by:** Deutsches Zentrum für Luft- und Raumfahrt, Bundesministerium für Wirtschaft und Energie**Running Time:** 06:02 Minutes**Country:** Germany**Year:** 2018**Age Guideline:** University and General Public (17+)

The International Cooperation for Animal Research Using Space (ICARUS) scientists explore the global migration of animals. The short film focuses first on small animals such as birds, bats and fruit bats. So-called tags—tiny transmitters of less than five grams that are attached to the animals—collect information about their migratory behavior and send them to the ISS. Global animal movement data is essential in today's world and its international network to understand how to protect human health and wildlife at the same time. The results will be published in a freely accessible database. On February 13, 2018, ICARUS' receiving antenna successfully launched from the cosmodrome in Baikonur, Kazakhstan, to the ISS.

Title: **Fascinating Universe: The Big Bang - The Original Mystery****Original Title:** Faszination Universum: Der Urknall - Das Rätsel des Anfangs**Category:** Natural Science, Life Science & Technology**Directors:** Dr. Hanna Kotarba, Saskia Weisheit

Produced by: ZDF
Running Time: 43:43 Minutes
Country: Germany
Year: 2018
Age Guideline: University and General Public (17+)

Everything we see today in the universe, from the furthest galaxy to our own blue planet, is thought to have begun in one huge primeval explosion. But what caused this Big Bang? It is probably the oldest question in the world: Where do we come from? Searching for answers, people have looked up into the sky since the beginning of time. In many cultures, cosmic processes have inspired myths and legends about the origin of the world. German astrophysicist, nature philosopher and TV host Harald Lesch takes the viewers on a journey through the history of science up to the enigmatic beginning of everything.

Title: **Our Fascinating Planet: The Malay Archipelago - In Search of Life**
Original Title: Faszination Erde: Der Malaiische Archipel - Dem Leben auf der Spur
Category: Natural Science, Life Science & Technology
Directors: Dr. Tobias Schultes
Produced by: ZDF
Running Time: 42:47 Minutes
Country: Germany
Year: 2018
Age Guideline: University and General Public (17+)

The Malay Archipelago is an El Dorado for naturalists. Even before Charles Darwin published his theory on the origin of species, the biodiversity of the islands once led a certain Alfred Russel Wallace to the answer to the question: Where does the abundance of species come from? This thought transformed eventually into the question of all questions: Where do we come from? The archipelago with its unusual inhabitants helped Alfred Russel Wallace to reach conclusions that would change the world. Until today, this world keeps fascinating scientists. In Borneo and Sulawesi, Dirk Steffens traces back the footsteps of Alfred Russel Wallace.

Title: **Plan b: The Big Buzz - Nothing Goes without Insects**
Original Title: plan b: Das große Brummen - Ohne Insekten geht es nicht
Category: Ecology & Environment
Directors: Jochen Klöck
Produced by: ZDF
Running Time: 28:48 Minutes
Country: Germany
Year: 2018
Age Guideline: University and General Public (17+)

Up to 75% of Germany's insects have already disappeared. They died a silent death, with serious consequences: two-thirds of the one hundred most important crops need pollination by insects. The survival recipe for bees, butterflies and hoverflies: more indigenous wild

plants for public and private gardens, flowers for cornfields and less pesticides. New habitats and food supplies are needed: in cities, rural areas and private gardens. Plan b presents ideas that promise to succeed. The housing company Vebowag in Bonn, for instance, converts 300 square meters of "green space" between the apartment blocks into a thriving insect paradise. In agriculture, the reformers call it "ecological intensification", with Englishman Marek Nowakowski being one of its pioneers. For 15 years, the agronomist from the district of Oxford has trained farmers in wildlife farming.

Title: **Self-sustainable: Climate Change**

Original Title: Autosustentables / Cambio climático

Category: Ecology & Environment

Directors: Elías Sáiz

Produced by: Canal Encuentro

Running Time: 27:19 Minutes

Country: Argentina

Year: 2019

Age Guideline: University and General Public (17+)

How do the decisions we make in our everyday lives affect the natural environment? What can we do to help improve and save the environment? Documentary filmmaker Elías Sáiz and anthropologist Violeta Ramírez have traveled to different parts of Argentina in search of solutions to the most urgent environmental problems. They present intriguing stories that show another, alternative way of living in the present—by considering and not forgetting the future of our fragile planet. They tackle important and time-sensitive issues such as climate change, water, agroecology, health, waste as a resource, energy transition and many more.

Title: **Amazing Pigs**

Category: Natural Science, Life Science & Technology

Directors: Matt Hamilton

Produced by: Terra Mater Factual Studios in co-production with Smithsonian Networks, produced by Humble Bee Films

Running Time: 49:25 Minutes

Country: Austria

Year: 2018

Age Guideline: University and General Public (17+)

Filthy? Greedy? Lazy? Think again. Pigs are smart, have acute senses and thrive everywhere. These remarkable animals have talents we're only beginning to understand. See how pigs have conquered nearly every habitat on Earth, thanks to their remarkable senses, intelligence, and adaptability. From the islands of Indonesia to the beaches of the Bahamas to the frozen tundra of Siberia, meet eightinch pygmy hogs, cheetah-avoiding warthogs, domesticated pigs with super senses, and more. "Amazing Pigs" takes us on a fun, fascinating journey around the world to reveal the secrets of their success. You'll never look at pigs the same way again.

Title: [Green Warriors: South Africa, Toxic Townships](#)**Category:** Ecology & Environment**Directors:** Martin Boudot**Produced by:** Premières Lignes Télévision**Running Time:** 51:18 Minutes**Country:** France**Year:** 2018**Age Guideline:** University and General Public (17+)

Johannesburg is considered the most uranium-contaminated city in the world. Waste dumps from around 600 abandoned mines sit next to residential communities, blowing polluted dust into homes and contaminating the soil and water supplies. Scientists have found uranium quantities in rivers west of the city to be as much as 4,000 times natural levels and in tap water as much as 20 times higher, while residents of Johannesburg and surrounding communities live among an estimated 600,000 metric tons of uranium buried in waste rock. To get a sense of the sheer extent of the problem, Martin Boudot and his team of researchers investigate. Equipped with a Geiger counter, they uncover some dangerous realities.

Title: [Plastic Cup - The Official Story of the Plastic Pirates](#)**Category:** Natural Science, Life Science & Technology**Directors:** David Attila Molnar**Produced by:** Filmjungle.eu Society**Running Time:** 52:13 Minutes**Country:** Hungary**Year:** 2018**Age Guideline:** University and General Public (17+)

The Tisza river is one of Europe's most heavily polluted rivers. During the annual floods, thousands of plastic bottles, light bulbs, cans and barrels cross the border from the Ukraine to Hungary. Water authorities do their best to control the plastic flood but during extreme high tides pollution is among the least of their concerns. But in 2013 a non-governmental organization launched a boat race named the "Plastic Cup". The Plastic Pirates had a simple idea: why not build plastic bottle boats from garbage itself, then get onboard and collect as many plastics from the river as possible? Within five years the initiative grew into an international environmental campaign. Our documentary tells the story of the first five years of this inspiring initiative.

Title: [Prediction by the Numbers](#)**Category:** Natural Science, Life Science & Technology**Directors:** Daniel McCabe**Produced by:** WGBH Educational Foundation**Running Time:** 53:06 Minutes**Country:** USA**Year:** 2018

Age Guideline: University and General Public (17+)

Predictions underlie nearly every aspect of our lives, from sports, politics, and medical decisions to the morning commute. With the explosion of digital technology, the internet, and "big data", the science of forecasting is flourishing. But why do some predictions succeed spectacularly while others fail abysmally? And how can we find meaningful patterns amidst chaos and uncertainty? From TV game shows to the life-and-death stakes of storm forecasts and the flaws of opinion polls that can swing an election, "Prediction by the Numbers" explores stories of statistics in action. Yet advances in machine learning and big data models are also posing big, disturbing questions. How much should we trust predictions made by algorithms when we don't understand how they arrive at them? And how far ahead can we really forecast?

Title: **The Fisherman and the Forest**

Category: Ecology & Environment

Directors: Tomohiko Yokoyama

Produced by: NHK

Running Time: 49:00 Minutes

Country: Japan

Year: 2018

Age Guideline: University and General Public (17+)

On March 11, 2011, a huge tsunami generated by the Great East Japan Earthquake struck Japan's northeastern coast, including Kesenuma in Miyagi Prefecture. As a result, all life vanished from the sea. In despair, an oyster farmer named Shigeatsu Hatakeyama decided to rebuild his life. Though a fisherman, he also spent decades reforesting the surrounding hills and was sure the sea would recover. This program begins shortly after the disaster occurred, and follows Hatakeyama, showing how the sea and the forest are cleansed through mutual interaction. Featuring his moving monologue, it celebrates the miracle of resurrected life in a seaside village.