



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

10 November 2021

DIVISION MEMORANDUM
DM No. 856, s. 2021

2021 SCIENCE FILM FESTIVAL

To: OIC – Assistant Schools Division Superintendents
Public Schools District Supervisors
Public and Private Elementary and Secondary School Heads
All Others Concerned

1. In line with DepEd Memorandum No. 063, s. 2021 which is entitled **2021 SCIENCE FILM FESTIVAL** with the theme **Better Health Through Better Understanding** shall be conducted from November 3 and December 3, 2021.
2. The festival aims to promote science literacy and enhance awareness of contemporary scientific, technological and environmental issues through the medium of film and television.
3. Learners from both private and public secondary and elementary schools and all schools offering the Special Science Program (SSP), STE implementing school, Legislated Science High School (LSHS) and the Special Science Elementary School (SSES) are invited to watch the film.
4. Goethe-Institut Philippinen will arrange the virtual screening through an online platform. Online registration is needed to be able to access and view the films, through this link: <https://www.goethe.de/ins/ph/en/kul/sup/sff/s21-reg.html>. Once registered, an email with an exclusive password to access the platform will be forwarded.
5. Attached herewith is DepEd Memorandum No. 063, s.2021 for your guidance and reference.

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"
Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
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DEPED - QUEZON ICT UNIT
UPLOADED NOV 11 2021
Date/Time: _____
By: <u>Cristina B. Sison</u>
Ref. no. <u>DM 856, s. 2021</u>



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

6. Immediate dissemination of this Memorandum is desired.

ELIAS A. ALICAYA JR. EdD
Assistant Schools Division Superintendent
Officer-In-Charge
Office of the Schools Division Superintendent

cid-ims/ceao/dmbd/11/10/2021

DEPEDQUEZON-TM-SDS-04-009-003



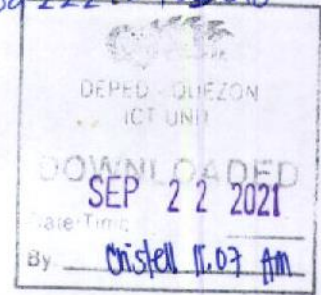
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Republic of the Philippines
Department of Education

DO 092221-103018



DepEd MEMORANDUM
No. **063**, s. 2021

2021 SCIENCE FILM FESTIVAL



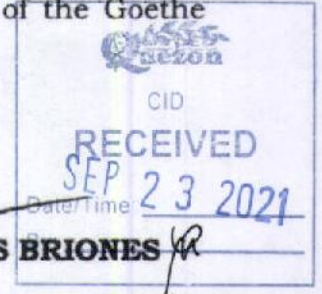
To: Regional Directors
Schools Division Superintendents
Public and Private Elementary and Secondary School Heads
All Others Concerned

- In support of the Memorandum of Agreement (MOA) between Goethe Institut-Philippinen and the Department of Education (DepEd), the **2021 Science Film Festival** with the theme **Better Health Through Better Understanding** shall be conducted from November 3 to December 3, 2021.
- The Festival aims to promote science literacy and enhance awareness of contemporary scientific, technological and environmental issues through the medium of film and television.
- Learners from both public and private secondary schools particularly the Regional Science High Schools (RSHSs), Legislated Science High Schools (LSHSs), Science, Technology and Engineering (STE)-implementing schools, and Special Science Elementary Schools (SSES) are invited to watch the films.
- Goethe Institut Philippinen will arrange for a virtual screening of the films during the festival period. The films can be accessed by registering through this link: <https://www.goethe.de/ins/ph/en/kul/sup/sff/s21-reg.html>. Once registered, an email with an exclusive password to access the platform will be forwarded.
- Participation of learners shall be subject to the no-disruption-of classes policy stipulated in DepEd Order No. 9, s. 2005 titled **Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith**. The activity is also subject to the no-collection policy as stated in Section 3 of Republic Act No. 5546, **An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Projects or Purpose from Students and Teachers of Public and Private Schools, Colleges and Universities**.
- The synopses of the science films are enclosed for reference.
- For more information, please contact **Ms. Grace T. Panganiban** of the Goethe Institut-Philippinen at telephone numbers (02) 8840-5723 to 24.

8. Immediate dissemination of this Memorandum is desired.



LEONOR MAGTOLIS BRIONES
Secretary



Encls:

As stated

Reference:

DepEd Memorandum No. 071, s. 2020

To be indicated in the Perpetual Index
under the following subjects:

LEARNERS
SCHOOLS
SCIENCE EDUCATION
TEACHERS

MCMF/SMMA/APA/MPC, DM 2021 Science Film Festival
0254 - September 8, 2021



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DEPED-OSEC-448122



Science Film Festival 2021 Film Details

Title: GUB Explorer Channel - Experiments with Ice
Category: **Family Edutainment**
Director: Maike Fritz
Produced by: GUB e.V.
Running Time: 8 minutes
Country: Germany
Year: 2020
Age Guideline: Early Learners (5-8)

The Society for Environmental Education Baden-Württemberg - GUB for short - has created an explorer channel on YouTube in response to the Covid-19 restrictions. In the videos, GUB shows how to conduct easy science activities step-by-step and would like to give parents, but also primary school teachers and educators, suggestions and support on how and what you can explore with children through simple hands-on science experiments. This video shows various experiments with ice: how ice behaves in warm water, how ice becomes a floating ring, how huge icebergs endanger shipping, how you can make ice melt quickly, and how you can make an ice sculpture using a mold.

Title: GUB Explorer Channel - Make Your Own Butter
Original Category: **Family Edutainment**
Director: Maike Fritz
Produced by: GUB e.V.
Running Time: 7 minutes
Country: Germany
Year: 2020
Age Guideline: Early Learners (5-8)

The Society for Environmental Education Baden-Württemberg - GUB for short - has created an explorer channel on YouTube in response to the Covid-19 restrictions. In the videos, GUB shows how to conduct easy science activities step-by-step and would like to give parents, but also primary school teachers and educators, suggestions and support on how and what you can explore with children through simple hands-on science experiments. This video shows how to make your own butter in seven easy steps.

Title: **House of Little Scientists - How Germs Spread**
Category: **Family Edutainment**
Director: Warinnet Termsirikamol
Produced by: National Science
Museum Thailand and Thai PBSRunning
Time: 10 minutes
Country: Thailand
Year: 2020
Age Guideline: Early Learners (5–8)

We know that we spread germs when we cough and sneeze. It causes germs to disperse into the air. But how far do the germs actually spread when we cough and sneeze? This episode of

"House of Little Scientists" puts this question to the test. It also tries to find out if masks can really prevent the spread of germs and shows a six-step method of washing our hands properly.

Title: **House of Little Scientists - Brushing Teeth**
Category: **Family Edutainment**
Director: Warinnet Termsirikamol
Produced by: National Science
Museum Thailand and Thai PBSRunning
Time: 10 minutes
Country: Thailand
Year: 2019
Age Guideline: Early Learners (5–8)

We eat food throughout the day, everyday, and this food leaves traces on our teeth. What would happen if we didn't brush our teeth? Find out how to brush your teeth properly and simply in this episode of "House of Little Scientists", the long-running early learners edutainment series from Thailand. Just following this fun, but effective method can help to keep our teeth clean and healthy.

Title: **Knietsche and Grief**
Category: **Family Edutainment**
Director: Anja von Kampen
Produced by: vision X Mediengesellschaft GmbH
Running Time: 3 minutes
Country: Germany
Year: 2020
Age Guideline: Primary School (9–11)

Knietsche says that grief is like an animal that takes possession of you. Everyone has their own mourning animal and no one knows beforehand what it will look like and how long it will stay. The good news is: When the time has come, the mourning animal moves out and makes room for beautiful things again.

Title: **Knietsche and Health**
Category: **Family Edutainment**
Director: Anja von Kampen
Produced by: vision X Mediengesellschaft GmbH
Running Time: 3 minutes
Country: Germany
Year: 2020
Age Guideline: Primary School (9-11)

For Knietsche, the matter is clear: health must run like clockwork for life to run smoothly. Health is not a matter of course and is a constant process - often your engine is running at peak performance, but your body or your emotions can also get sick. If you are smart, you train your immune system.

Title: **What Body is This? Chris - Fake News**
Category: **Family Edutainment**
Director: Chico Bela
Produced by: Produzido por Canal Futura - Fundação Roberto Marinho e apoiado por Childhood Brasil, Unicef, Fundação Maria Cecília Souto Vidigal, Freedom Foundation, Google, Instagram e Facebook
Running Time: 4 minutes
Country: Brazil
Year: 2020
Age Guideline: Primary School (9-11)

In this series meet the Vila Cesar family. In the middle of the day-to-day running, the couple and their five children experience situations and reflect on issues that are very important for the sexual development of each person in their different stages of life. From the discovery of the genitals to complex themes such as homophobia and sexting. The series invites to a frank debate on sexual rights and self-protection. In this second season, online prevention is the main focus and this episode covers how to identify and handle fake news online.

Title: **Programme with the Mouse – The Mystery of the Cloud**
Category: **Family Edutainment**
Director: Matthias Wegmann
Produced by: WDR
Running Time: 9 minutes
Country: Germany
Year: 2019
Age Guideline: Primary School (9-11)

Presenter André Gatzke writes a script on his computer and saves the text in the "cloud". The cloud also makes it easy for André to work on the text with several colleagues. But what is the cloud and why can data be stored in it? It's certainly not a cloud in the sky. Computer professionals have only given the cloud storage option this name,

because a cloud hovers overhead, so to speak. No inhabitant of the Earth can look into it; the cloud is meant purely symbolically. But how does it work? André researches diligently and becomes aware of a data center located in Frankfurt. He is allowed to enter under high security precautions and with the help of Mareike and Holger, uncovers the secret of the "cloud".

Title: Pia and Wild Nature - What's Going on in the Wadden Sea?

Category: **Family Edutainment**
Director: Ben Wolter
Produced by: Text + Bild
Medienproduktion GmbH & Co. KG
Running Time: 25 minutes
Country: Germany
Year: 2020
Age Guideline: Primary School (9-11)

Between high and low tide, there's a lot going on, on the world's largest mudflats! Reporter Pia has to watch out for the claws of the shore crabs. In search of the mysterious "spaghetti pile" makers, she comes across a cockle that has a cool water gun trick.

Title: The Apple Core – Mini Organs

Category: **Family Edutainment**
Director: Yvonne Smits
Produced by: Stephanie de Beer
Running Time: 15 minutes
Country: The Netherlands
Year: 2019
Age Guideline: Primary School (9-11)

Computer chips mimicking human life is no longer science fiction, but reality! Presenter Pascal Tan, visits a hospital lab and finds out that scientists can make mini organs-on-chips from your own blood or urine. Mini-lungs, brains, livers, intestines, hearts; these miniature organs-on-chips can simulate the working of your own personal human organs, perfectly. Pascal witnesses the creation of a genuine, beating, miniature heart and sees how it reacts to medicine. With these organs-on-chips, scientists can very efficiently test which medicine works best for each individual. "The Apple Core" (Het Klokhuis) is an educational children's program on NTR Television in the Netherlands. The series aims to teach kids between seven and twelve years old as much as possible about the society they are growing up in. Each episode covers one subject. The subjects vary from highly scientific to cultural and in a mix between documentary and drama, each subject is encountered in different ways.

Title: **The Origin of Quarantine**
Category: **Non-Verbal & Science Shorts**
Director: That Works Media UG
Produced by: That Works Media UG
Running Time: 2 minutes
Country: Germany
Year: 2020
Age Guideline: Secondary School (12-16)

In this short animated documentary, we explore the origin of the word "quarantine". Nowadays the word "quarantine" has become an inevitable part of our everyday conversations and lives. But where did the term originate?

Title: **The Origins Of Spinach**
Category: **Non-Verbal & Science Shorts**
Director: That Works Media UG
Produced by: That Works Media UG
Running Time: 2 minutes
Country: Germany
Year: 2020
Age Guideline: Secondary School (12-16)

In this animated documentary, we explore the origin of the word "spinach". Spinach has been praised as a healthy miracle plant with high iron content for the last century and has therefore become an integral part of the diet of countless children. But where does spinach come from? How did it get its name? And is it really that healthy to eat?

Title: **Hidden Plastics: The Teabag Experiment**
Category: **Ecology & Environment**
Director: Christine Cornea
Produced by: UKRI GCRF Translation Funds,
University of East Anglia, Norwich,
Norfolk, UK
Running Time: 6 minutes
Country: United Kingdom
Year: 2020
Age Guideline: Secondary School (12-16)

This short science education film is designed to be accessible for children and teenagers, although adults would likely also find this engaging and informative. Using live shots and some animation, the film takes the audience through an experiment to identify the non-biodegradable 'hidden plastic' in teabags. Dr Andrew Mayes, who specializes in microplastics research and plastic pollution of the environment, takes us through this experiment to uncover the non-biodegradable polypropylene plastic component of so many teabags, comparing this with a new-style teabag made from biodegradable polylactic acid plastic. The film ultimately advocates for the

alternative use of polylactic acid in teabags as this is better for the environment.

Title: **Spirited**
Category: **Non-Verbal & Science Shorts**
Director: Mark Kevin John Delgado Produced by: Alicia G. Amper
Year: 2021
Age Guideline: Secondary School (12-16)

This animated film follows the story of a dedicated frontliner during the covid-19 pandemic despite her disability. Her observations around during these tumultuous times transports her back to her own childhood story of loneliness and isolation following a tragic event. More than a story of tragedy, the parallelisms of her childhood and present life bring hope for a better tomorrow.

Title: **To Prohibit**
Category: **Ecology & Environment**
Director: Cyah Angela D. Somblingo
Produced by: Focus Cavite
Running Time: 10 min
Country: Philippines
Year: 2020
Age Guideline: Secondary School (12-16)

The daily life of Caviteños depends on the sea. Unbeknownst to many, behind the blue water and raging waves, are communities of danger. This inconspicuous substance has pestered aquatic life and endangered the lives of many. Join us, as we unmask the dangers of this microscopic enemy.

Title: **Founding an Ant Colony**
Category: **Natural Science, Life Science & Technology**
Director: Danielle Parsons
Produced by: Wonder Science
Running Time: 22 minutes
Country: USA
Year: 2020
Age Guideline: Secondary School (12-16)

Only a few will be Queen. Discover what it takes to start a new ant colony in this rare view inside a founding queen's brood chamber. A collaboration between Wonder Science and UCLA Entomology Dept, Brittany Enzmann Buchla synthesizer music by Johnny Woods.

Title: **Youth & Corona**
Category: **Family Edutainment**

Director: NA
Produced by: SWR - Südwestrundfunk
Running Time: 30 minutes
Country: Germany
Year: 2020
Age Guideline: Secondary School (12-16)

Since spring 2020, Corona has shaped daily life almost everywhere in the world. In cooperation with the Japanese broadcaster NHK, Planet Schule has developed a new format: 16 young people from eight countries exchange through mobile videos about how they are experiencing the Corona period. And what's special about it, is that they directly share their experiences!

Communication works despite lockdown and quarantine. Almost all of them have to deal with homeschooling and feel lonely; some have financial worries. The young people talk about fake news in the media and increasing discrimination, and they have ideas on how to cope and survive the crisis better despite Corona. An international media project that gives young people a voice.

Title: **Anthropocene - The Rise of Humans: Earth**Original
Category: **Ecology & Environment**
Director: Jens Monath
Produced by: ZDF
Running Time: 50 minutes
Country: Germany
Year: 2020
Age Guideline: Secondary School (12-16)

Since our Earth was formed about 4.6 billion years ago, natural forces have shaped it. A unique mixture of the elements earth, air and water forms the basis for all life on our planet. Natural cycles ensured a biological equilibrium, but for about 12,000 years it has been shaken by man. At the beginning almost imperceptibly, but then more and more strongly. That is why scientists now want to name a new age of the earth: the Anthropocene, the age of man. If the change of the planet by the human being still happened creeping for millennia, then at the latest since 1945 it comes to the so-called "large acceleration" of this process connected with an enormous population growth. In addition, since then the two substances that could become the hallmark of the Anthropocene have also come into play: the legacies of nuclear research, as well as plastic.

Title: **Anthropocene - The Rise of Humans: Water**
Category: **Ecology & Environment**
Director: Jens Monath
Produced by: ZDF
Running Time: 50 minutes
Country: Germany

Year: 2020
Age Guideline: Secondary School (12–16)

Since our Earth was formed about 4.6 billion years ago, natural forces have shaped it. Natural cycles ensured a biological equilibrium, but for about 12,000 years it has been shaken by humans. At the beginning almost imperceptibly, but then more and more strongly. Never before have so many people had to share the planet as today. And never before have the basics of our life: earth, air and water been in greater danger. The stories are set in countries as diverse as Egypt, Ethiopia, Australia, China, Iceland and Spain, to name a few. Using lavish documentary footage, game scenes and graphics, the films tell how we became human, what we are, what we have to lose, but also what we can preserve.

Title: **Sex and the Body: Time for Some Real Talk! – The Menstruation**
Category: **Natural Science, Life Science & Technology**
Director: Lea Albrecht
Produced by: DW Deutsche Welle
Running Time: 8 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

Why don't we lose our hymens? Why do we fart more when we're on our period? And how similar are the clitoris and penis, really? Here's the truth about our bodies. A lot of people feel like it's embarrassing to talk about menstrual blood, orgasms, your vulva or vagina, or the various fluids that they produce - even though all these things are completely natural and fulfill a purpose. Did you know, for example, that it's normal to have diarrhea during your period? Or that women can ejaculate when they orgasm, too? In this series, we talk about the how and why. For guys and people who don't experience this: Don't be shy, come on in! You might be surprised by what you learn.

Title: **Living with Misophonia**
Original Title: **Leben mit Misophonie**
Category: **Natural Science, Life Science & Technology**
Director: Carolin Conrady
Produced by: ProSieben, Galileo
Running Time: 12 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

The protagonist Ebba suffers from misophonia, a largely unknown neurological disorder: the hatred of sounds. We accompany her in her everyday life and to a biopsychologist to better understand the phenomenon of misophonia.

Title: **Genetic Testing**
Category: **Natural Science, Life Science & Technology**
Director: Carolin Conrady
Produced by: ProSieben, Galileo
Running Time: 15 minutes
Country: Germany
Year: 2019
Age Guideline: University and General Public (17+)

Genetic tests promise a glimpse into the future. But how reliable are they for discovering one's own origins or certain diseases? And how do you deal with the results? A self-experiment by reporter Carolin Conrady.

Title: **Move forward**
Original Title: Uswag
Category: **Non-Verbal & Science Shorts**
Director: Leslie Jane C. Garcia
Produced by: Alicia G. Amper
Running Time: 16 minutes
Country : Philippines
Year: 2021
Age Guideline: University and General Public (17+)

When community quarantines were imposed starting March 2020 due to the pandemic, people elsewhere including residents of Maramag, Bukidnon, Philippines suffered from the repercussions of this crisis. Working students, street vendors, single and tricycle drivers, and small business owners share their adjustments and hopes while battling the economic, social, and psychological impacts of the pandemic.

Title: **K for Knowledge: Miracle Bones**
Category: **Natural Science, Life Science & Technology**
Director: Franziska Müschenich, Max Lebsanft
Produced by: Bilderfest GmbH
Running Time: 25 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

The skeleton of an adult is made up of over 200 bones. Incidentally, a quarter of these are in the hands alone, which is why we can move them so delicately. In their entirety, the bones are a fascinating composition of stability and flexibility.

Title: **Xenius: Epidemics and Society - How They Influence Our Coexistence**
Category: **Natural Science, Life Science & Technology**
Director: Jasmin Steigler, Lena Paul
Produced by: Bilderfest GmbH
Running Time: 26 minutes

Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

Plague, cholera, tuberculosis, influenza, corona - epidemics have always afflicted man. They spread fear and terror, but they have also shaped society. "Xenius" explores the question of what measures exist to contain them and how they influence our coexistence - in the past and today.

Title: Xenius: Viruses with Superpowers - How Can We Use Them for Our Benefit?

Category: **Natural Science, Life Science & Technology**
Director: Jasmin Steigler, Franziska Müschenich
Produced by: Bilderfest GmbH
Running Time: 26 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

Viruses are usually portrayed as disease-causing villains. But that is not always fair. In many cases, they have true superpowers, for example as evolutionary helpers and bacteria destroyers. What viruses can do and how can we use their strengths for our benefit? The "Xenius" presenters Adrian Pflug and Emilie Langlade set out on an exciting search for viruses

that don't cause illness and quickly make a discovery: On our own skin and in the soil beneath the green meadow. But why do we know so little about the good viruses so far?

Title: **Science or Fiction?**
Original Title: Science ou Fiction?
Category: **Natural Science, Life Science & Technology**
Director: Patrice Goldberg, Cyril Fleury
Produced by: Patrice Goldberg (Matière Grise, RTBF)
Running Time: 26 minutes
Country: Belgium
Year: 2020
Age Guideline: University and General Public (17+)

Fiction is regularly inspired by scientific research to create and develop futuristic universes. What is less well known is that the reverse is also true! Science fiction can act as a laboratory for a whole range of researchers. For example, it makes it possible to visualize space phenomena that are not necessarily picked up by telescopes, not even the most powerful ones. And what about films that depict the fantastical of the invisible? In real life, actual research is being carried out into this and some of the achievements up till now are astonishing.

Title: **Good Viruses, Bad Viruses**
Category: **Natural Science, Life Science & Technology**
Director: Johan von Mirbach
Produced by: doc.station
Medienproduktion, ZDF/3sat
Running Time: 44 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

In the current Corona pandemic, the SARS CoV-2 virus is killing a great many people and restricting life around the globe. But viruses also have good sides that we can use. According to the common definition, viruses do not belong to living organisms. Nevertheless, they have a great influence on evolution and are even a part of us humans. Some virus building blocks have anchored themselves in our genome and reproduce with us. They help us survive. Viruses built into the human genome - known as endogenous retroviruses - contribute to the formation of the placenta, for example. Other viruses attack bacteria, preventing them from spreading and thus creating space for further life. At the Bernhard Nocht Institute in Hamburg, viruses are studied, catalogued and archived. Bird flu, Zika, Ebola - a total of several thousand viruses have been completely sequenced, and the actual number is probably many times higher.

Title: **Roots are Amazing - The Marvel under the Earth**
Category: **Ecology & Environment**
Director: Stefanie
Fleischmann, Christina Gantner
Produced by: Berlin
Producers Media GmbH
Running Time: 44 minutes
Country: Germany
Year: 2021
Age Guideline: University and General Public (17+)

Roots make up over half of plant life, but are mostly invisible: Yet their superpowers can help us humans cope with problems of climate change and environmental protection. Roots become visible when they climb over paths or ruins. Most of the time, they lead a secret life underground. For centuries, hardly anyone was interested in them. Today, more and more scientists around the world are trying to unlock their secrets. It is precisely the invisible part of plants that has the potential to help with the challenges facing humanity. It is a matter of securing food for a growing world population, stopping climate change and extracting resources in an environmentally friendly way. Can roots really make a significant contribution to this? To answer this question, the documentary lets scientists from around the world have their say and shows the current state of research.

Title: Reef Rescue
Category: Ecology & Environment
Director: Su Rynard
Produced by: Merit Motion Pictures, ARTE, CBC, NOVA, VULCAN
Running Time: 45 minutes
Country: Canada
Year: 2020
Age Guideline: University and General Public (17+)

The film unveils the groundbreaking science behind "super corals" and a radical new plan to save the Earth's imperiled coral reefs. Weaving together exquisite underwater expeditions, a soaring, A.I.-powered, global reef mapping mission, and cutting-edge assisted evolution research in Australia, Hawaii, Florida, and the South Pacific, this one-hour special introduces us to "super corals": the small fraction of corals that survive otherwise lethal hot temperatures. By creating similarly resilient corals the world over, scientists believe they can buy precious time for dead and dying coral reefs. The film won best Conservation Film at the 2020 Jackson Wild Media Awards.

Title: What a Colorful World
Category: Natural Science, Life Science & Technology
Director: Petra Lederhilger
Produced by: A production of TERRA MATER FACTUAL STUDIOS
Running Time: 50 minutes
Country: Austria
Year: 2020
Age Guideline: University and General Public (17+)

The film takes the viewer on a journey around the globe to discover a host of colorful creatures that make our world such a spectacularly diverse place. Seen from space, Earth may appear mainly green and blue, but a closer look reveals the true abundance of hues and shades caused by light refraction. As the full force of the Sun's rays hits the forest, a world of greys becomes green. Indeed, this is one of the most prominent colors on our planet; the chlorophyll required for photosynthesis reflects a certain section of the light spectrum, making much of the Earth's vegetation appear green to human eyes. The inhabitants of the forests, however, come in all shades. This is by no means limited to birds: reptiles like chameleons and marine animals like cephalopods even communicate using their distinctive colors. From giant humpback whales to tiny dancing spiders – we explore what makes our globe such a kaleidoscope of color.

Title: Corona - The Pandemic and the Pangolin
Category: Natural Science, Life Science & Technology
Director: TERRA MATER FACTUAL STUDIOS
Produced by: A TERRA MATER FACTUAL STUDIOS production
Running Time: 52 minutes

Country: Austria
Year: 2020
Age Guideline: University and General Public (17+)

At a time when we are bombarded with COVID-19 information comes a moment of clarity – and a warning we cannot afford to ignore. Connect via Skype with conservation icon Jane Goodall, controversial marine activist Paul Watson and a cast of experts quarantined in home offices

and living rooms around the world, to hear their perspectives on our worst nightmare come true. As accusations and blame are cast on the failures of governments; as talk of coverups and conspiracies multiply; we invite audiences to change focus. In this film we ask – who is really behind the pandemic? This is not just a story about today. There is nothing new about viruses that jump from animals to humans causing life threatening diseases, but the difference is, this one is affecting the world.

Title: **On Thin Ice**
Category: **Ecology & Environment**
Director: Henry M. Mix, Boas Schwarz
Produced by: Altayfilm GmbH on behalf of the MDR in cooperation with ARTE
Running Time: 52 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

Russia. Roughly two thirds of the Arctic belong to the world's largest country. Siberia alone has the world's largest country. Siberia alone has the size of Australia. An enormous chunk of cold land framed by icy seas. Large areas of Northern Russia used to be no-go zones for decades. For the first time, scientists from all over the world are beginning to explore this huge area and what they find is alarming. Gigantic canyons, "megaslumps", are opening where there used to be endless taiga forest. Enormous layers of permafrost are thawing out and revealing remains of the ancient Siberian megafauna. Hundreds of scary looking holes are blasting off from the deep exhaling methane, which has 80 times stronger greenhouse effects than carbon dioxide. Rivers loose water and large dunes in dry riverbeds make parts of Central Siberia look like the Sahara. Forest fires are rushing over the taiga every year and the once ice-locked Northeast Passage becomes navigable. The destiny of many wildlife populations is at stake.

Title: **Lost in Face**
Category: **Natural Science, Life Science & Technology**
Director: Valentin Riedl
Produced by: CORSO Film, mit Förderung von BKM, NRW Filmstiftung, FFF Bayern

Running Time: 81 minutes
Country: Germany
Year: 2020
Age Guideline: University and General Public (17+)

Carlotta can't recognize faces, not even her own. For her, human faces are not places of trust, but gray bastions that frighten and confuse. Like 1% of all people, the very region of her brain that actually processes faces is blind. In his film, neuroscientist Valentin Riedl wanders through Carlotta's spheres full of anthropomorphic animals, lucid dreams and bumpy aberrations. He gradually reveals her idiosyncratically charming solutions with which Carlotta repeatedly tries to swim along in the current of human conformity, until one day she decides to leave the world of humans with a self-built ship. On her restless search, she finally finds access to her own face in art and feels her way back to her fellow human beings.

Title: **Manufacturing Ignorance**
Category: **Natural Science, Life Science & Technology**
Director: Pascal Vasselin and Franck Cuveillier
Produced by: ARTE France, ZED
Running Time: 90 minutes
Country: France
Year: 2020
Age Guideline: University and General Public (17+)

Pitch VA An in-depth and gripping investigation into the many ways to derail science. A saga that sheds light on attempts at scientific manipulation and the obstacles, deliberate or not, to the progress of knowledge. Résumé VA Health and environmental scandals are multiplying, with the devastating consequence of thousands of victims and ecological disasters. Between defenders and perpetrators, science is called upon to shed light. But although scientific knowledge has never seemed so vast, it has never been so doubted, a doubt that hinders political decision-making and public action. Who to believe and what to believe when science is challenged? Plunge into the depths of this "manufacture of ignorance" in a gripping investigation into the many ways to derail science.