

# ENERGY



May 26-27-28  
THE BIG SCIENCE CELEBRATION  
L'ÉVÉNEMENT DU SAVOIR

# SCIENCE UNDER THE BIG TOP

## Continuous Activities

### TECHNO ZONE

- 1 **INO**  
Unseen Mysteries
- 2 **CENTRE FOR RESEARCH IN ASTROPHYSICS OF QUEBEC**  
Where will you be on April 8, 2024?
- 3 **DIGITAL MOMENT**  
Planet Wind
- 4 **TECHNOVATION MONTRÉAL**  
E Code
- 5 **CONCERTATION MONTRÉAL**  
Wired Workshops
- 6 **GRANDIR SANS FRONTIÈRES**  
Outsmart the Robots
- 7 **MONTRÉAL DIGITAL SPRING**  
Hack the Future of Energy

### HUMAN ZONE

- 20 **SERVICE DE SÉCURITÉ INCENDIE DE MONTRÉAL**  
Sparking Combustion!
- 21 **MUSÉE D'ARCHÉOLOGIE DE ROUSSILLON**  
Dig Up the Past
- 22 **TOHU**  
Circus, Earth, Human
- 23 **MUSÉE DE LA SANTÉ ARMAND-FRAPPIER**  
Our Energetic Cells
- 24 **FACULTY OF ARTS AND SCIENCE UNIVERSITÉ DE MONTRÉAL**  
Tomorrow's Scientists
- 25 **INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE - INRS**  
Surf Like an Electron
- 26 **ACCESCIENCES, UNE INITIATIVE DES CÉGÉPS DE MONTRÉAL**  
Meet the Next Generation of Scientists
- 27 **PORT OF MONTREAL**  
Port in the City

### ENERGY ZONE

- 29 **HYDRO-QUÉBEC**  
The Hidden Power of Water
- 30 **HUMAN RESOURCES SECTORIAL COMMITTEE OF THE MARITIME INDUSTRY**  
What Propels that Ship?
- 31 **LES SCIENTIFINES**  
We're Fuelled by Science!
- 32 **FACULTÉ DES SCIENCES DE L'UQAM**  
Energy in the Sky
- 33 **INSTITUT QUANTIQUE DE L'UNIVERSITÉ DE SHERBROOKE**  
The Big Story of the Infinitely Small
- 34 **MONTRÉAL SCIENCE CENTRE**  
Light It Up!
- 35 **COSMODÔME**  
Find the Energy!
- 36 **TECHNOSCIENCE RÉGION MÉTROPOLITAINE**  
The Many Faces of Energy
- 37 **MUSÉE DES ONDES EMILE BERLINER**  
Crank Up the Music!

### NATURE ZONE

- 38 **LET'S TALK SCIENCE AT MCGILL UNIVERSITY**  
Cyanobacteria: Small Cells, Big Impact
- 39 **DES JARDINS**  
Let's Preserve Nature's Energy
- 40 **CENTRE D'INTERPRÉTATION DE L'EAU**  
Simul'H<sub>2</sub>O
- 41 **ESPACE POUR LA VIE**  
You Are the Spark
- 42 **G3E - EDUCATION AND WATER MONITORING ACTION GROUP**  
Bugs in Our Waterways
- 43 **MINISTRY OF NATURAL RESOURCES AND FORESTS**  
Exploring Quebec's Mines
- 44 **GENOME QUEBEC**  
iTrackDNA
- 45 **CANADIAN COAST GUARD**  
Discover the Canadian Coast Guard

# NOT TO BE MISSED!

### SCIENCE FROM EVERY ANGLE

- A Where There's Smoke There's Fire**  
Service de sécurité incendie de Montréal  
Simulate a fire in total safety!  
Every day, continuous
  - C Musical Bikes** — Atractkiv  
Pedalling in harmony  
Every day, continuous
  - D Energy Transfer** — Ecorecreo  
Solve a puzzle while shaping your calves  
Friday: 9:30 am to 3:30 pm | Sunday: 10:30 am to 5 pm  
Saturday: 10:30 am to 4 pm
  - F Soccer Tech** — Kelitos Sports  
A smart ball for better shots  
Friday: 9:30 am to 3:30 pm | Sunday: 10:30 am to 3 pm  
Saturday: 10:30 am to 4 pm
  - G You Are the Spark** — Biosphère  
Ahead of you: nothing yet. Within you: a host of possibilities...  
Friday: 9:30 am to 5:30 pm | Sunday: 9 am to 5:30 pm  
Saturday: 9 am to 7 pm
- ### STROLLING THE SITE
- B Energy On Two Wheels**  
Artecycle BMX Flatland Stunt Shows  
Athletic feats on a BMX Flatland  
Saturday: 12:50 pm and 3:10 pm  
Sunday: 1 pm and 3:15 pm
  - E The Gros Big** — FLIP Fabrique  
An amusing circus demonstrates strength training  
Saturday: 1:30 pm, 3:45 pm and 5 pm  
Sunday: 11 am, 1:30 am and 3:40 pm

## EVENING PROGRAM Science Under the Stars

# SCIENCE PACKS A PUNCH!

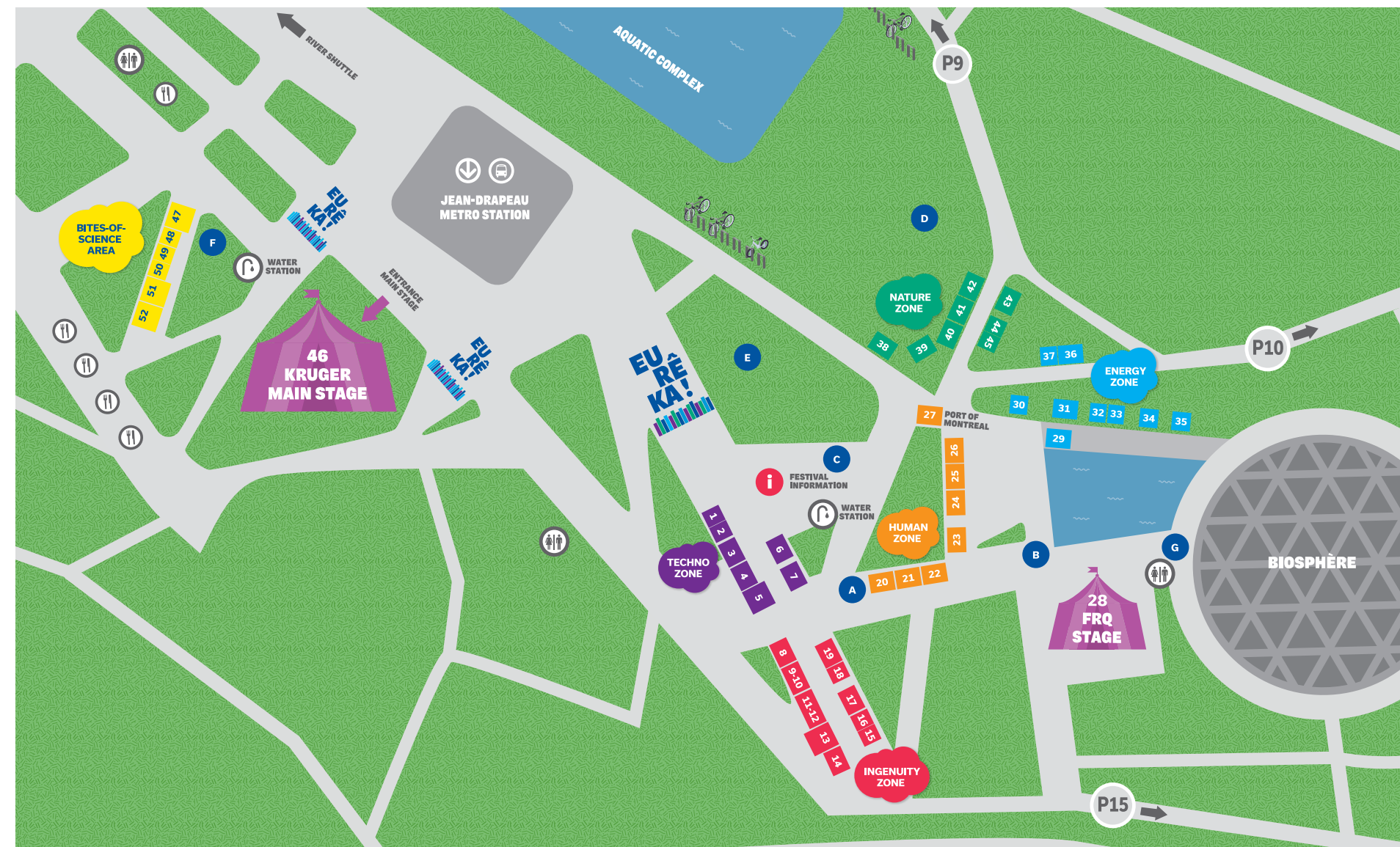
**MAY 27** Science, a Total Knockout!  
Thrills Guaranteed!  
Saturday: 7:30 pm  
Duration: 75 minutes

Tickets in limited quantities, available free of charge at the Festival information booth, Friday, May 26 and Saturday, May 27.

Limit of four (4) tickets per person. Show is in French.

### INGENUITY ZONE

- 8 **ORDRE DES INGÉNIEURS DU QUÉBEC**  
The Genius of Catapults
- 9 **GÉNIE ÉLECTRIQUE POLYTECHNIQUE MONTRÉAL**  
Generating Energy
- 10 **EXOCET - POLYTECHNIQUE MONTRÉAL**  
Which Energy Would You Choose?
- 11 **ORONOS - POLYTECHNIQUE MONTRÉAL**  
Lumos Maxima!
- 12 **FORMULE POLYTECHNIQUE MONTRÉAL**  
My Clever Car
- 13 **ÉCOLE DE TECHNOLOGIE SUPÉRIEURE**  
PontPop Challenge
- 14 **AÉRO MONTRÉAL**  
Model Airplane Workshop
- 15 **FOLIE TECHNIQUE**  
Create, Move, Build!
- 16 **MUSEUM OF INGENUITY J. ARMAND BOMBARDIER**  
Tinkering Challenges
- 17 **FACULTÉ DE GÉNIE UNIVERSITÉ DE SHERBROOKE**  
■ The Wonderful World of Plasma  
■ Transform Light Into Electricity  
■ Buildings of the Future
- 18 **FACULTÉ DES SCIENCES ET DE GÉNIE - UNIVERSITÉ LAVAL**  
Let AI Be Your Guide
- 19 **SPACE CONCORDIA**  
Blast Off with Paper Rockets!



## BITES-OF-SCIENCE AREA

- 47 **L'UNION DES PRODUCTEURS AGRICOLES**  
Discover Quebec Agriculture
- 48 **I LOVE FRUITS AND VEGGIES MOVEMENT**  
Find Your Favos!
- 49 **INSTITUT DE TOURISME ET D'HÔTELLERIE DU QUÉBEC**  
Culinary Arts with a Small Twist
- 50 **ÉCOLE DES PROTÉINES - PROTEO**  
Biotech Cheese
- 51 **BITES-OF-SCIENCE AREA EURÊKA! WORKSHOPS**
- 52 **CONCOCTING SCIENCE EURÊKA! WORKSHOPS**



# SCIENCE TAKES THE STAGE

Interactive Shows and Conferences

## 28 FRQ STAGE

### PAUSE-TECHNO IA: THE JOBS OF TOMORROW

Ravy Por – Héros de chez nous  
Artificial intelligence at your fingertips  
Friday: 10:45 am | Duration: 30 minutes

### SPOT, THE MOBILE ROBOT

Osedeia  
Meet a world-famous canine robot  
Friday: 11:40 am | Duration: 30 minutes | BILINGUAL

### EXTEND THE LIFE OF YOUR PRODUCTS

Hélène Gervais, RECYC-QUÉBEC  
Tips on how to be a smart consumer  
Friday: 12:30 pm | Duration: 30 minutes

### MY LIFE UNDER THE SEA

Mario Cyr, Underwater Cameraman  
Extreme adventures of an extraordinary explorer  
Friday: 1:30 pm | Duration: 40 minutes

### FOOD CHEMISTRY

Yannick Bergeron, Chemist  
Tasty tales about everyday food  
Saturday: 11 am | Duration: 30 minutes

### IS THIS THE CAR OF THE FUTURE?

Esteban - Polytechnique Montréal  
A revolutionary solar two-seater  
Saturday: 12 pm | Duration: 30 minutes

### NUCLEAR FUSION: ENERGY OF THE FUTURE

Elliot Claveau, PhD  
Making energy like the stars  
Saturday: 1:15 pm | Sunday: 2:40 pm | Duration: 30 minutes

### WHAT'S YOUR HOCKEY ENERGY TYPE?

Université du Québec à Trois-Rivières – Laboratoire de recherche sur le hockey  
Science gives hockey some answers  
Saturday: 2:30 pm | Sunday: 12:10 pm | Duration: 30 minutes

### AN ECOLOGICAL BRAIN

Habib Benali, Scientific Director of PERFORM  
How your brain recycles energy  
Saturday: 3:45 pm | Duration: 30 minutes

### BEATBOXING AND SOUND ENERGY

Simon Van Weereld, Sound Artist  
Human or instrument? That is the question!  
Saturday: 4:50 pm | Duration: 30 minutes

### SPOTLIGHT ON ENERGY SOURCES OF THE FUTURE

Hydro-Quebec's Centre of Excellence in Transportation Electrification and Energy Storage  
Moving towards sustainable, renewable, accessible energy  
Sunday: 11 am | Duration: 30 minutes

### DEGROWTH FOR THE WORLD'S FUTURE

Polémos décroissance  
Get down with degrowth  
Sunday: 1:30 pm | Duration: 30 minutes

### MARIE CURIE IN FLORAL SLIPPERS

Stéphanie Jolicoeur, Science Communicator  
A tale of atoms and energy  
Sunday: 4 pm | Duration: 30 minutes

Shows are in French unless otherwise noted.

## 46 KRUGER MAIN STAGE

### ATLAS GEOCIRCUS IN SPACE

Atlas Geocircus – Prestigo Productions  
An intergalactic circus  
Friday: 9:45 am | Duration: 45 minutes

### CHIMIQUIZ!

Created and produced by L'île du savoir, with a financial contribution from Health Canada  
Quiz game hosted by Julie Taillon  
Friday: 11 am | Saturday: 3:15 pm | Sunday: 3:30 pm  
Duration: 45 minutes

### FIRE AND ICE

Mad Science  
Chemical potions and dry ice  
Friday: 12:10 pm | Saturday: 12:30 pm  
Duration: 45 minutes – BILINGUAL

### A LITTLE TOUR OF GREAT SCIENCE

Les Neurones atomiques  
Explore inventions and discoveries  
Friday: 1:20 pm | Duration: 40 minutes

### CREATURES FROM THE JURASSIC

Bumble Bill - Productions Prestigo  
Time travel to meet Jurassic giants  
Saturday: 11:15 am | Duration: 45 minutes

### RAPTORS: MASTERS OF THE SKY

Falcon-Ed  
Birds of prey in action  
Saturday: 1:45 pm | Sunday: 12:45 pm  
Duration: 45 minutes – BILINGUAL

### THE MAGIC OF CHEMISTRY

Yannick Bergeron, Chemist  
Chemical demonstrations that will wow you  
Saturday: 4:30 pm | Sunday: 11:20 am | Duration: 45 minutes

### SCIENCE PACKS A PUNCH!

Created and produced by L'île du savoir, featuring Yannick Bergeron and Stéphane Brouillard.  
Referee: Stéphanie Jolicoeur

Two science champions. One epic battle. The audience will see stars!  
Saturday: 7:30 pm | Duration: 75 minutes

### #MATH

Marc Trudel - Prestigo Productions  
The magic of math  
Sunday: 2:15 pm | Duration: 45 minutes



# WORKSHOPS

Concocting Science

**5 New Life for Old Clothes**  
Concertation Montréal – Transition écologique, Partner of MMFC  
Getting green with old clothes  
Friday: 9:30 am to 3:30 pm | Duration: 40 minutes

**13 PontPop Challenge**  
École de technologie supérieure  
Build a resistant popsicle-stick bridge  
Every day | Duration: 20 minutes

**51 Mission Underground**  
École-O-Champ  
The role of soil in agriculture  
Friday: 9:30 am to 3:30 pm | Duration: 40 minutes

**52 Sugar Toss and Wind Machine**  
Technoscience Région métropolitaine  
Tech challenges related to energy  
Friday: 9:30 am to 12:30 pm | Duration: 15 to 20 minutes

**52 Light Into Sound**  
SuperMusique Productions  
Improvise music with light  
Friday: 1 pm and 2:15 pm | Duration: 60 minutes

**5 The Power of Water**  
Women in Engineering, Partner of MMFC  
Design a waterwheel  
Saturday: 10:30 am to 2 pm | Duration: 30 minutes

**51 Little Balls of Energy**  
La Tablee des Chefs  
Make your own power snack  
Saturday: 10:30 am to 7 pm | Duration: 20 to 30 minutes

**52 Cyborg Makeup**  
Milsuite FX  
Are you more human or machine?  
Saturday: 10:30 am, 11:30 am and 12:30 pm  
Duration: 50 minutes

**52 Paleontologists, Grab your Tools!**  
PetraSapiens  
Extract and view real fossils  
Saturday: 2 pm and 3 pm | Duration: 45 minutes

**5 Intro to 2D Animation**  
Society for Arts and Technology, Partner of MMFC  
Create your own stop motion video  
Saturday: 3 pm to 7 pm | Continuously

**52 Watts Up, Van der Graaf?**  
Mad Science  
Electricity to make your hair stand on end  
Saturday: 4:15 pm and 5:15 pm | Duration: 60 minutes

**5 Alalab**  
GénieLab, Partner of MMFC  
Turn your moves into music!  
Sunday: 10:30 am to 1 pm | Duration: 20 minutes

**51 Biotech Cheese**  
École des protéines – PROTEO  
Proteins from your homemade cheese  
Sunday: 10:30 am to 5 pm | Duration: 10 minutes

**52 Electrical Generators**  
Les Neurones atomiques  
You can produce and transform electricity  
Sunday: 11 am, 12 pm and 1 pm | Duration: 45 minutes

**5 Coding Music**  
Morgan Stanley, Partner of MMFC  
Compose a piece with Sonic Pi  
Sunday: 2 pm to 5 pm | Continuously

**52 Realtime Sound Design**  
Audiotope  
Fun with audio sampling  
Sunday: 2:30 pm to 4:30 pm | Duration: 15 minutes

# THE FESTIVAL AT A GLANCE

## FRIDAY

9:30 am - 12:30 pm **52** Sugar Toss and Wind Machine

9:30 am - 3:30 pm **5** New Life for Old Clothes

**13** PontPop Challenge

**51** Mission Underground

**A** When There's Smoke There's Fire

**C** Musical Bikes

**D** Energy Transfer

**F** Soccer Tech

9:45 am **46** Atlas Geocircus in Space

10:45 am **28** Pause-Techno IA: The Jobs of Tomorrow

11 am **46** ChimiQuiz!

11:40 am **28** Spot, the Mobile Robot

12:10 pm **46** Fire and Ice

12:30 pm **28** Extend The Life of Your Products

13 pm **52** Light Into Sound

13:20 pm **46** A Little Tour of Great Science

13:30 pm **28** My Life Under the Sea

14:15 pm **52** Light Into Sound

## SATURDAY

10:30 am - 2 pm **5** The Power of Water

10:30 am - 4 pm **D** Energy Transfer

**F** Soccer Tech

10:30 am - 7 pm **13** PontPop Challenge

**51** Little Balls of Energy

**A** When There's Smoke There's Fire

**C** Musical Bikes

10:30 am **52** Cyborg Makeup

11 am **28** Food Chemistry

11:15 am **46** Creatures From the Jurassic

11:30 am **52** Cyborg Makeup

12 pm **28** Is This The Car of the Future?

12:30 pm **46** Fire and Ice

**52** Cyborg Makeup

12:50 pm **B** Energy On Two Wheels

1:15 pm **28** Nuclear Fusion: Energy of The Future

1:30 pm **E** The Gros Big

1:45 pm **46** Raptors: Masters of The Sky

2 pm **52** Paleontologists, Grab your Tools!

2:30 pm **28** What's your Hockey Energy Type?

2 pm **52** Paleontologists, Grab your Tools!

3 pm - 7 pm **5** Intro to 2D Animation

3:10 pm **B** Energy on Two Wheels

3:15 pm **46** ChimiQuiz!

3:45 pm **28** An Ecological Brain

**E** The Gros Big

4:15 pm **52** Watts Up, Van der Graaf?

4:30 pm **46** The Magic Of Chemistry

4:50 pm **28** Beatbox and Sound Energy

5 pm **E** The Gros Big - Show

5:15 pm **52** Watts Up, Van der Graaf?

7:30 pm **46** Evening Show Science Packs a Punch!

## SUNDAY

10:30 am - 1 pm **5** Alalab

10:30 am - 3 pm **F** Soccer Tech

10:30 am - 5 pm **13** PontPop Challenge

**51** Biotech Cheese

**A** When There's Smoke There's Fire

**C** Musical Bikes

**D** Energy Transfer

11 am **28** Spotlight on Energy Sources of The Future

**52** Electrical Generators

**E** The Gros Big

11:20 am **46** The Magic of Chemistry

12 pm **52** Electrical Generators

12:10 pm **28** What's Your Hockey Energy Type?

12:45 pm **46** Raptors: Masters of The Sky

1:pm **52** Electrical Generators

**B** Energy on Two Wheels

1:30 pm **28** Degrowth for The World's Future

**E** The Gros Big

2 pm - 5 pm **5** Coding Music

2:15 pm **46** #MATH

2:30 - 4:30 pm **52** Realtime Sound Design

2:40 pm **28** Nuclear Fusion: Energy of The Future

3:15 pm **B** Energy on Two Wheels

3:30 pm **46** ChimiQuiz!

3:40 pm **E** The Gros Big - Show

4 pm **28** Marie Curie in Floral Slippers



Program Details Available Here

