

# STARDUST: THE UNIVERSE IN YOU



UNIVERSITY OF MINNESOTA DULUTH  
**Driven to Discover™**



TELUS WORLD  
of SCIENCE  
Edmonton



**COSMOSPHERE**  
INTERNATIONAL SCIENCE CENTER  
SPACE MUSEUM



**FLYING FISH**





# STARDUST

• The Universe in You •

Discover the marvels of the universe and the bonds that connect us through scientific concepts, hands-on exploration, and endless play.



# SECTIONS

THE STORY BEGINS  
FROM ATOMS TO STARS  
BUILDING GALAXIES  
SUPERNOVAS:  
EXPLODING ELEMENTS  
EARTH AND YOU:  
MADE OF STARDUST

## THEMES

ALL THINGS ARE  
INTERCONNECTED

WONDER AND  
AMAZEMENT

THE HUMAN BODY AND  
THE ELEMENTS OF LIFE

A SENSE OF  
SCALE AND TIME



EXPLORONS  
LES ÉLÉMENTS

Numérisez votre main  
pour lancer l'expérience.

Tout ce que nous voyons  
autour de nous est  
composé des éléments

Consultez le tableau

pour connaître

les éléments qui

composent l'univers. Quels

éléments que vous

voyez le plus souvent?



# STARDUST

• The Universe in You •

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- 2 FROM ATOMS TO STARS
- 3 BUILDING GALAXIES
- 4 SUPERNOVAS: EXPLODING ELEMENTS
- 5 EARTH AND YOU: MADE OF STARDUST





# THE STORY BEGINS

## CONCEPTS EXPLORED:

- The Big Bang
- Energy

## INTERACTIVES

### 'The Big Bang'

Experience the birth of the universe with a Hoberman sphere. Expand the sphere and visualize the incredible growth of our universe from a tiny point billions of years ago to the vast expanse it is today,

## MEDIA

### 'Story of the Universe'

Explore the history of the universe from the Big Bang to the present through immersive projection stations, navigate a timeline, and visualize the cosmos.



# FROM ATOMS TO STARS

## CONCEPTS EXPLORED:

- Atoms
- Forces
- Star Formation

### ‘Building with Atoms’

Construct organic life forms using building toys that mimic atoms, helping visualize the composition of everything around us.

### ‘Star Formation’

Take a leading role in the simulation of a supernova’s energy by using a set of drums to influence how that energy disrupts the balance of forces in a star-forming cloud, creating a new star in this thrilling holographic experience.

### ‘Constellations’

Journey through a constellation of stars to explore their various facets and locate the Orion constellation. Discover the three-dimensional nature of the universe and how our view of the night sky is shaped by our position.

INTERACTIVES



# BUILDING GALAXIES

## 'Create a Galaxy'

Color in your favorite galaxy shape, and scan the coloring sheet to see it animated. Galaxies of different shapes and sizes will come together in one "universe" in a large projection.

## CONCEPTS EXPLORED:

- Galaxies
- Gravity

## 'Classifying Galaxies'

Enhance your galaxy-creating adventure with an engaging matching challenge! Dive deeper into the wonders of the universe by exploring real images of galaxies and matching them with their unique descriptions. Uncover the various types of galaxies that make up our cosmos!

## INTERACTIVES

## 'Our Solar System'

Take a deep dive into the solar system and explore a large-scale orrery showcasing all the planets and the sun. With the help of corresponding buttons, identify each planet and learn about their interactions with each other and the Milky Way.



### 'Exploring Elements'

Uncover the magic of stardust hidden in everyday items! Choose an item and witness the elements that compose it come to life on the periodic table.

Understand how the elements of life are scattered throughout the universe during a supernova explosion, and how these elements combine to create all living and non-living things

### Supernova Floor Projection

Walk across the remnants of a dying star! This captivating interactive floor projection brings an exploding supernova to life beneath your feet.

Discover the science behind these cosmic blasts and learn how different types of supernovas create the elements that make up everything in the universe—including you.

### INTERACTIVES

### CONCEPTS EXPLORED:

- Supernovas
- Elements
- Element Formation

### MEDIA

#### 'Supernovas'

Watch the beauty of an exploding star and learn how the elements it releases make life possible in this large scale immersive area.

# SUPERNOVAS: EXPLODING ELEMENTS



# EARTH AND YOU: MADE OF STARDUST

## CONCEPTS EXPLORED:

- Elements Found in the Human Body
- Telescopes

## 'Elements in You'

Explore the fascinating relationship between you and elements formed in stars. Interact with different layers of the human body to explore the presence of elements from stars in our bodies.

## INTERACTIVES

## 'Stardust in You'

Experience the 'Stardust in You' by engaging with a wall of stardust that captures your silhouette as you move in this interactive visual projection.

## 'The James Webb Space Telescope'

Using a model of the James Webb Telescope, explore essential images that have helped scientists understand the history of the universe. Telescopes enable us to observe distant events and objects, providing insight into that history without requiring specialized technology.

## 'Infrared'

Step into the invisible! A live camera lets you see yourself in infrared, revealing a whole new perspective on the world around you. Dive deeper with engaging insights that explain what infrared light is and how it helps astronomers capture stunning images of the universe—unveiling the unseen wonders of space.



## ABOUT FLYING FISH



At Flying Fish, we believe that exhibitions can achieve more. As a leading producer of traveling exhibitions for over a decade, we collaborate with world-class museums and science centers to create extraordinary and impactful experiences. Our exhibitions have welcomed more than ten million visitors worldwide, highlighting the wonders of science, history, culture, and more, and we are committed to making exceptional and authentic content accessible to all while generating new, sustainable revenue for our clients. By empowering institutions to share their stories globally, we amplify their missions and broaden their influence.

Whether creating a new exhibition or adapting existing content for international tours, Flying Fish is more than just a service provider—we are a trusted partner in elevating our client's reach and impact.

*For Museums. By Museums.*

[flyingfishexhibits.org](http://flyingfishexhibits.org)

## SCIENCE ADVISOR



UNIVERSITY OF MINNESOTA DULUTH  
**Driven to Discover®**

Alec T. Habig

University of Minnesota Duluth

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*Stardust: The Universe in You* is a traveling exhibition produced by Flying Fish in collaboration with Spark Initiatives and supported by Cosmosphere and TELUS World of Science - Edmonton.

## ABOUT SPARK INITIATIVES



Spark Initiatives is an organization whose mission it is to empower young people to discover the Infinite Potential that lies within them. Experiential Learning is one of the ways young people can begin to discover their potential. Spark Initiatives strives to help create environments in which a variety of Experiential Learning can take place.

## ABOUT COSMOSPHERE



The Cosmosphere is a Smithsonian Affiliate space museum featuring the largest collection of flown U.S. and Soviet-era space artifacts in the world. It also offers an internationally recognized science education program, offering one of the nation's premier space summer camps.

For more information visit [cosmo.org](http://cosmo.org)

## ABOUT TELUS WORLD OF SCIENCE - EDMONTON



TELUS World of Science – Edmonton's mission is to be a catalyst for lifelong learning, creating a community of curious minds through immersive experiences and connections with the wonders of science. We are the trusted hub of science engagement for all, pushing boundaries and igniting curiosity. The Edmonton Space & Science Foundation is a registered charitable organization that operates TELUS World of Science - Edmonton.

[telusworldofscienceedmonton.ca](http://telusworldofscienceedmonton.ca)

## SPECS

### Size:

5,000 sq. ft. scalable +/- 1500 sq. ft.  
500 m<sup>2</sup> scalable +/- 190 m<sup>2</sup>

### Freight:

Two (2) 53 ft. trailers

### Production Time:

Ten (10) working days for installation  
Seven (7) working days for deinstallation

### Languages:

American English  
Latin American Spanish

### Tour Availability:

Inquire for availability

## BOOKINGS

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