

THE UNIVERSE  
YOURS TO DISCOVER



# International Year of Astronomy at EP

The universe takes center stage this year – that's because 400 years ago in 1609, Galileo Galilei became the first person to view the stars, planets and moons in the sky through a telescope.

To mark this momentous anniversary of this astronomical event, 2009 has been proclaimed the International Year of Astronomy (IYA2009) by the International Astronomical Union and UNESCO. IYA2009 will be a global celebration of astronomy and its contributions to society and culture.

At EP, you can take part in a full year of special events and activities under the IYA2009 theme, "The Universe, Yours to Discover." Read on for more!

## Schedule of Events

### JANUARY

*Telescopes and Space Probes: Today's Starry Messengers*

#### Saturday, January 10: National IYA Kick Off Day!

11 a.m.

Hands-on Activity in Kemper Theater - Learn about why you don't see any color when looking in a telescope, and how much of the sky do you see in a telescope.

1 p.m.

EP Staff Speaking About Telescopes - Find out the latest results from some of the world's top telescopes and space probes.

2 p.m.

Solar Telescope Viewing in Entrance Plaza (weather permitting)

3 p.m.

Hands-on Activity in Kemper Creative Learning Studio

#### Thursday, January 15

5 p.m. - 6:30 p.m.

Hands-on Activity in Kemper Creative Learning Studio

6:30 p.m. - 8 p.m.

Viewing of Venus in Entrance Plaza (weather permitting)

#### Saturday, January 31

The Mysterious Cosmos exhibit opens – discover a detailed timeline of how humans have come to know the universe, examine the history of the telescope and a replica of Galileo's telescope, explore planetary orbits, learn about the life and death of the stars, and search out galaxies through the eyes of the Hubble Space Telescope.

### FEBRUARY

*Our Solar System*

Featured Activity: Spotting Craters

#### Saturday, February 7

11 a.m.

Hands-on Activity in Kemper Creative Learning Studio

1 p.m.

EP Educator Presentation: Our Solar System

2 p.m.

Hands-on Activity in Kemper Creative Learning Studio

4:15 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the moon

#### Thursday, February 12

5 p.m.

Hands-on Activity in Kemper Creative Learning Studio

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the moon

#### Saturday, February 14

1 p.m.

Unveiling of special images from the Great Observatories (Hubble, Spitzer and Chandra).

Telescope activity in The Mysterious Cosmos exhibit celebrating Galileo's birthday!

#### Sunday, February 15

Happy Birthday Galileo!

## MARCH

### *Observing at Night... and in the Day*

Featured Activity: Light Pollution and Shielding

Special Event: GLOBE at Night

#### **Saturday, March 7**

1 p.m.

EP Educator Presentation about Light Pollution and introduction of the GLOBE at Night citizen science project

2 p.m.

Hands-on Activity in Kemper Creative Learning Studio

3 p.m.

Solar telescope viewing in Entrance Plaza (weather permitting)

#### **Thursday, March 19**

5 p.m.

Hands-on Activity in Kemper Creative Learning Studio

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring Saturn

#### **Thursday, March 26**

5 p.m.

Hands-on Activity in Kemper Creative Learning Studio

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring Saturn

## APRIL

### *Galaxies and the Distant Universe*

Featured Activity: A Universe of Galaxies

Special Event: 100 Hours of Astronomy

#### **Thursday April 2**

8:30 a.m.

100 Hours of Astronomy Live Science Center Webcast.

#### **Friday, April 3**

Starting time TBA

100 Hours of Astronomy Live 24-hour Research Observatory Webcast.

#### **Saturday, April 4**

11 a.m.

Hands-on Activity in Discovery Room A (located in Flight Exhibit)

2 p.m.

EP Educator Presentation: Galaxies and the Observable Universe

3 p.m.

Solar Viewing in Entrance Plaza (weather permitting)

4:15 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring Whirlpool Galaxy

#### **Thursday, April 9**

5 p.m.

Hands-on Activity in Kemper Creative Learning Studio

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring Whirlpool Galaxy

## MAY

### *Our Sun*

Featured Activity: Modeling the Sun and Earth

#### **Saturday, May 2 It's Astronomy Day!!**

11 a.m.

Hands-on Activity in Kemper Creative Learning Studio

1 p.m.

Presentation: TBA

2 p.m.

Solar Viewing in Entrance Plaza (weather permitting)

3 p.m.

Hands-on Activity in Kemper Creative Learning Studio

#### **Thursday, May 7**

5 p.m.

Hands-on Activity in Kemper Creative Learning Studio

## JUNE

### *Clusters of Stars*

Featured Activity: Trip Around the Triangle

#### **Saturday, June 6**

11 a.m.

Hands-on Activity in Kemper Creative Learning Studio

1 p.m.

EP Educator Presentation in the CyberDome Theater: The Summer Triangle

2 p.m.

Hands-on Activity in Kemper Creative Learning Studio

4:15 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the Hercules Cluster.

#### **Thursday, June 11**

5 p.m.

EP Educator Presentation in the CyberDome Theater: The Summer Triangle

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the Hercules Cluster

## JULY

### *Black Holes*

Featured Activity: Black Hole Star Map

#### **Saturday, July 11**

- 11 a.m.  
Hands-on Activity in Kemper Creative Learning Studio
- 1 p.m.  
EP Educator Presentation in the CyberDome Theater:  
The Night Sky & Black Holes
- 2 p.m.  
Hands-on Activity in Kemper Creative Learning Studio
- 4:15 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring the Milky Way

#### **Thursday, July 16**

- 5 p.m.  
EP Educator Presentation in the CyberDome Theater:  
The Night Sky & Black Holes
- 6:30 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring the Milky Way

## AUGUST

### *Rocks and Ice in the Solar System*

Featured Activity: Cook Up a Comet

#### **Saturday, August 8**

- 11 a.m.  
Hands-on Activity in Kemper Creative Learning Studio
- 1 p.m.  
EP Educator Presentation: Observing the Perseid  
Meteor Shower
- 2 p.m.  
Hands-on Activity in Kemper Creative Learning Studio
- 4:15 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring the Perseid Meteor Shower

#### **Thursday, August 13**

- 5 p.m.  
Hands-on Activity in Kemper Creative Learning Studio
- 6:30 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring the Perseid Meteor Shower

## SEPTEMBER

### *Planets and Moons*

Featured Activity: Pocket Solar System

#### **Saturday, September 5**

- 11 a.m.  
Hands-on Activity in Kemper Creative Learning  
Studio
- 1 p.m.  
EP Educator Presentation: Planets and Moons
- 2 p.m.  
Hands-on Activity in Kemper Creative Learning  
Studio
- 4:15 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring Jupiter

#### **Thursday, September 10**

- 5 p.m.  
Hands-on Activity in Kemper Creative Learning  
Studio
- 6:30 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring Jupiter

## OCTOBER

### *What is the Fate of the Universe?*

Featured Activity: Telescopes as Time Machines

#### **Saturday, October 3**

- 11 a.m. Hands-on Activity in Kemper Creative Learning  
Studio
- 1 p.m.  
EP Educator Presentation: What is the fate of the  
universe?
- 2 p.m.  
Hands-on Activity in Kemper Creative Learning  
Studio
- 4:15 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring the Andromeda Galaxy

#### **Thursday, October 8**

- 5 p.m.  
Hands-on Activity in Kemper Creative Learning  
Studio
- 6:30 p.m.  
Special IYA *Stars Over Kansas* CyberDome Theater  
show featuring Andromeda Galaxy

## NOVEMBER

### *The Lives of Stars*

Featured Activity: Lives of Stars

#### **Saturday, November 7**

11 a.m.

Hands-on Activity in Kemper Creative Learning Studio

1 p.m.

EP Educator Presentation in the CyberDome Theater: The Life of a Star

2 p.m.

Hands-on Activity in Kemper Creative Learning Studio

4:15 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the Crab Nebula

#### **Thursday, November 12**

5 p.m.

EP Educator Presentation in the CyberDome Theater: The Life of a Star

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the Crab Nebula

## DECEMBER

### *Discovering New Worlds*

Featured Activity: What's the "Habitable Zone?"

#### **Saturday, December 5**

11 a.m.

Hands-on Activity in Kemper Creative Learning Studio

1 p.m.

EP Educator Presentation: Discovering New Worlds

2 p.m.

Hands-on Activity in Kemper Creative Learning Studio

4:15 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the Orion Nebula

#### **Thursday, December 10**

5 p.m.

Hands-on Activity in Kemper Creative Learning Studio

6:30 p.m.

Special IYA *Stars Over Kansas* CyberDome Theater show featuring the Orion Nebula

Unless otherwise noted, activities included in museum admission. Solar viewing free. All free for EP Members.



# Exploration PLACE

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