



# CENTI ASTRO-SPACE ACTIVITIES

Christopher S. Centi, "C the Rocket Man"

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## MISSION STATEMENT

***"Instill, Motivate and Empower individuals of all ages with an appreciation, awareness and understanding of science using Astronomy, Space Exploration and Art"***

***Join in for an out-of-this-world learning experience. CENTI ASTRO-SPACE ACTIVITIES is the ultimate destination for space enthusiasts. Come learn, explore and have fun in the final frontier.***

## CENTI ASTRO-SPACE ADVENTURES ACADEMY



- A **Space Science Education** platform.
  - Offers hands-on Astronomy & Space Exploration programs, courses & webinars.
  - Aligned with **STEAM: Science, Technology, Engineering, Art & Math**.
  - Programs are provided live online or in-person upon request. Normally for group classes. **Contact us for more information.**
  - Courses are available virtually on-demand. Students can take the course(s) at their leisure as there are no time constraints to complete.
- Supplemental videos and hands-on activities are included.
  - Programs are about **60 minutes** in length and include lessons that can be completed after the session.
  - Courses and webinars develop positive attitudes about science and non-science subjects.
  - Visit the **PROGRAMS, COURSES & WEBINARS** pages on our website for a list of programs & courses available and past & upcoming webinars!
  - Groups and organizations can request courses which could be done for a group of students. **Contact us for group pricing.**
  - Register for webinars using the **REGISTRATION** page on our website.

***IMPORTANT NOTE: Courses and webinars are the property of Christopher Centi of Centi Astro-Space Activities and cannot be duplicated or sold in any form or manner elsewhere.***

**RESEARCH SHOWS** that when individuals exercise both their hands and minds, they are also developing critical problem-solving skills that benefit them for life.

***"There is No Limit to what Humans Can Do! We Went to the Moon, We Will Go Again, Then Onward to Mars and Beyond, In Our Quest to Reach for the Stars"***

***"Being able to have Christopher "C the Rocket Man" Centi talk with my students was a great experience. The students were able to ask questions and learn about space from a professional which was the highlight of the unit."***

***Patrick Goff, 8<sup>th</sup> Grade Science Teacher  
Beumont Middle School***

# **PROGRAM TOPICS and RELATED COURSES in BRACKETS**

1. Unveiling Distant Worlds: The Quest for Exoplanets {Course 16}
2. Hunting for Aliens: The Quest for Life Beyond Earth {Course 16, 17}
3. The Mind-Blowing Impact of Exoplanet Discovery {Course 16}
4. Space Exploration: A Mission for Everyone {Course 16}
5. The Space Race Leading to Humans on the Moon {Course 11, 6A, 6B}
6. The Artemis Missions: Paving the Way for Mars {Course 8 & 9}
7. Birth, Development and Diversity of Our Solar System {Course 1}
8. Gravitational Dance Between the Sun, Planets and Minor Objects {Course 2}
9. Robotic Exploration of the Solar System {Course 3}
10. Navigating the Cosmic Waters: From Earth and Beyond {Course 4}
11. Celestial Shadows: Solar and Lunar Eclipses Demystified {Course 5}
12. Unraveling the Mysteries of Earth's Celestial Companion {Course 7}
13. How Rockets Work: Past, Present, Advanced  
Propulsion to Warp Drives {Course 10}
14. Space Shuttle Exploration {Course 12}
15. Exploring Space Stations: From Earth to Beyond {Course 13}
16. Cool Wonders of the Universe {Course 14}
17. Stargazing: Unveiling the Wonders of the Night Sky {Course 15}
18. Exploring the Universe with Rising Stargirls {Course 18}
19. UFO / UAP Mysteries Explored {Course 19}

## **COURSES GROUPED ACCORDING TO THEME**

*Themes are in blue – Courses are in red*

### **1. SURFIN' and ROCKIN' 'ROUND the SUN**

1. *Birth, Development and Diversity of Our Solar System*
2. *Gravitational Dance Between the Sun, Planets and Minor Objects*
3. *Robotic Exploration of the Solar System*
4. *Navigating the Cosmic Waters: From Earth and Beyond*

### **2. LUNAR MYSTERIES**

5. *Celestial Shadows: Solar and Lunar Eclipses Demystified*
- 6A. *First Steps: Human Footprints on the Moon*
- 6B. *Lunar Legacy: The Final Footsteps of Apollo*
7. *Unraveling the Mysteries of Earth's Celestial Companion*
8. *To the Moon and Beyond: The Artemis Missions*

### **3. DESTINATION MARS**

9. *Journey to Mars: From Robotic Exploration to Human Presence*

### **4. LIFT OFF!**

10. *How Rockets Work: Past, Present, Advanced Propulsion to Warp Drives*

### **5. EXPLORIN' SPACE 'n BEYOND**

11. *The Space Race: Pioneering the Cosmos*
12. *Space Shuttle Exploration*
13. *Exploring Space Stations: From Earth to Beyond*

## 6. CRUISIN' THE COSMOS

14. *Cool Wonders of the Universe*

15. *Stargazing: Unveiling the Wonders of the Night Sky*

## 7. EXOPLANETS 'n the SEARCH for LIFE ELSEWHERE

16. *Exoplanets: Worlds Beyond*

17. *Alone in the Universe*

## 8. RISING STARGIRLS

18. *Exploring the Universe with Rising Stargirls*

## 9. UAP / UFO MYSTERIES

19. *UFO / UAP Mysteries Explored*

• **Courses & Webinars** are available for a variety of settings, listed below:

- General Public
- Schools and Home Schoolers
- Continuing Education Programs
- Kids College
- After School Programs
- Youth Groups / Camps
- Summer / Winter Camps
- Recreation & Playground Programs
- Boys & Girls Clubs
- YMCA / YWCA Programs
- Scout Groups
- Libraries
- Correctional Facilities
- Community Events
- Museums
- Science Centers
- Observatories
- Planetariums

## CASA UNCORKED and on TAP

### ▶ ▶ ▶ Space Science Program for Adults ◀ ◀ ◀

Children and teenagers aren't the only ones who can benefit from Space Science Education. Andy Newman, professor of Astronomy Education and Engagement at the Astrophysics Research Institute says, "Anyone who wants to learn should be able to, and anything we can do to make that happen is important."

Probably the biggest influence on children and teenagers is their family and relatives. So, if we can get them interested in science it may have an important impact on children to become excited about science.

Although outreach to adults has occurred in libraries, museums, schools and other places it was found that the adult market still hadn't been successfully tapped into. In the past few years new and interesting attempts have been made to create something more adult friendly. These have been highly successful.

These new attempts to reach adults have emerged in several of the larger cities from New York City to Seattle and worldwide. One of the ways is through Science Cafes, which offer presentations on different areas of science. The unique aspect here is that they are offered at establishments that serve beer, cocktails and/or wine. Specifically, Astronomy and Space Exploration presentations, for adults, have become very popular within these establishments as well. The benefit of doing presentations within a bar or pub is because of the more relaxed and casual atmosphere where learning is fun and interactive.

Therefore, if it has been successful in bar and pub-settings, it would be equally successful for microbreweries and wineries.

**CASA UNCORKED and on TAP** offer mature audiences the chance to become involved with accessible and fun presentations in various areas of Astronomy and Space Exploration. Typically, they are **90 minutes** in length, presented by "C the Rocket Man". These presentations are interspersed with a take home



activity which is either a painting of planets or something else galactic, hands-on activities, Space Science scavenger hunts & trivia and videos. Its uniqueness is that the presentations are done at **wineries** where the audience taste their favorite wines and in **microbreweries** over a bottle or glass of beer.

One might ask, "**Why offer Astronomy and Space Exploration at these establishments?**" As stated above, Astronomy and Space Exploration presentations, for adults, has become very popular within bars and pubs and have spread across the nation and worldwide. The atmosphere is more relaxed and conducive to learning while having fun. In the planetarium field a term is often used called "**edutainment**", which is a combination of education and entertainment to attract and enhance learning.

Another reason which many people don't realize is that NASA has been working with companies that produce and sell wine and beer. A wine glass has been developed that works in microgravity. As we venture further outside our home planet and humans begin settling other celestial bodies, they will want the comforts of home. Research is currently being done to learn the conditions and what is needed to manufacture these beverages elsewhere. Also, the space theme is common at many wineries and microbreweries across the globe. Many beers and wines have been named after planets and other celestial objects. Along with this labels for these wines and beers have been utilized.

## WHO IS "C the ROCKET MAN"?

Christopher (Chris) Centi, also known as "**C the Rocket Man**", is on a continuing mission to motivate and excite kids and adults about the cool wonders of science. He uses **Astronomy, Space Exploration** and **hands-on sensory interactions**. For over 38 years, Chris has presented entertaining, educational and empowering space science programs to diverse audiences ranging from ages 5 to 95.



Chris has also presented workshops and in-services for teachers, other professionals and parents. As a speaker, author and science advocate, Chris weaves his hands-on approach and interaction with audiences into a presentation encouraging an appreciation of the importance of science, its usefulness in everyday life and Outer Space as one of our new frontiers.

Chris is an Astronomy & Space Science Educator and CEO of Centi Astro-Space Activities (**CASA**). In 1985 he formed CASA to help improve science literacy. He was instrumental in developing and building the planetarium for the Lucile M. Wright Air Museum in Jamestown, NY. and served as Planetarium Director and Space Science Coordinator from November 2012 to December 2016.

***"I visited the planetarium exhibit when I was in elementary and it really excited my curiosity about space. . . . . There is so much left to explore and exhibits like this one can inspire future generations to be the next astro-enthusiasts."- Sophia C.***

***"I took my daughter to the planetarium exhibit when it was housed at the Lucille Wright Air Museum because I saw how curious my daughter was about space and our solar system. She enjoyed the experience very much . . . . . My daughter is still interested in science fields and looks to the night sky with great interest. I would recommend the programs to anyone who wants an accessible means to have a greater understanding of our solar system."- Laura S.***

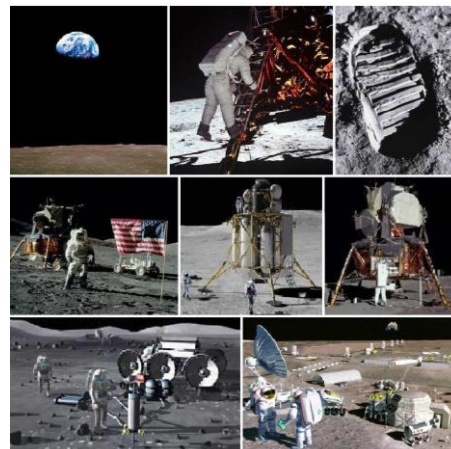
Chris has many research interests which include studying exoplanets and the search for life elsewhere, Mars exploration, the psychological implications of long-term space travel, and the importance of diversity, inclusion, equity and equality in the sciences. He authored various articles and actively gives hands-on presentations to civic/social organizations. Chris is available to speak at various venues on the areas of his research.

Using the hands-on approach, Chris has taught various kids college courses in Astronomy and Space Science at Jamestown Community College, SUNY Fredonia and Penn State Behrend College. He has also appeared on TV advocating hands-on science with appearances on WKBW-TV's AM Buffalo in Buffalo, NY, WICU-TV's Evening News Eye on Education and WSEE News in Erie, PA and Cable 8 in Jamestown, NY.

**LET'S DISCUSS YOUR NEEDS!  
LET'S WORK TOGETHER!  
and ANSWER ANY QUESTIONS!**

*"Chris was such a help to my middle school students! He was able to answer all of their questions in great detail and with clear enthusiasm."*

*Marcy Hartzler, Middle School Teacher  
ZQuest Public Schools*



**CONTACT:**

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**YOU CAN ALSO FIND CASA ON SOCIAL MEDIA**



**"What's Up in the Night Sky"  
Monthly Free Newsletter**



**"WORLDS BEYOND &  
ASTROBIOLOGY INSIGHTS"**



SOURCE: NASA

**THANK YOU FOR YOUR TIME!**