

PROGRAM

Solar Eclipse Science Show

ARTIST NAME

Red Tie Variety with Ted Baumhauer, Ed.D.



AVAILABLE FORMATS

- Performance
- Single Workshop
- Multi-Session
Residency Workshop

GRADE LEVELS

- Pre-K
- K – 2nd
- 3rd – 5th
- 6th – 8th
- 9th – 12th

MAX NUMBER OF PARTICIPANTS

In-Person: **300**
Virtual: **N/A**

PROGRAM LENGTH 45 minutes

PROGRAM DESCRIPTION

This fun filled show highlights the concepts of shadows, rotational force, and the scientific method to make them accessible to students. During this assembly students will engage in:

- Prediction & Variables
- Predicting an eclipse
- Sun, moon, and earth in space (distances)
- What is a solar eclipse & types of eclipses
- Shadows and their parts
- Creating an eclipse!
- Legends & Lore about eclipses
- How to Safely view an eclipse

CURRICULUM STANDARDS

This program supports these NYS or Next Generation Learning Standards:

Standard 4: Science

Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and recognize the historical development of ideas in science

Contact Arts for Learning WNY for more information.
(716) 881-0917 | info@artsforlearningwny.org

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EDUCATIONAL OBJECTIVES

- Demonstrate shadows
 - Explain partial vs. total eclipse
 - Demonstrate & examine rotational force
 - Model scientific inquiry, observation, and drawing conclusions
 - Observe arrangement of sun, earth, and moon
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LOGISTICS/EQUIPMENT

20' x 15' stage or open performing space, 15' high ceiling, 110 v electrical outlet

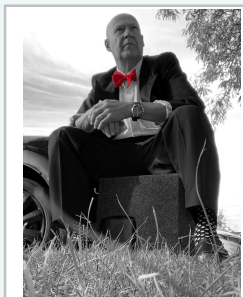
VOCABULARY

Shadow, umbra, pre-umbra, rotation, gravity, gravitational forces, variables, prediction

POST-PROGRAM ACTIVITIES & RESOURCES

Discussion topics: Parts of a shadow, how shadows are made, gravitational pull, safely viewing an eclipse

Books to read: Looking Up! The Science of Stargazing by Joe Rao; Eclipses by Nick Hunter; The Moon Book by Gail Gibbons;



ARTIST BIO

Ted Baumhauer, Ed.D.: He earned his Doctorate in Education from The University of Vermont and has been performing for families and children of all ages since 1994 from Wisconsin to Vermont and is a founding member of Flower City Vaudeville and Red Tie Variety. Additionally Ted has completed the Master Teaching Artist Training Program (MTA). He employs a wide variety of physical skills including juggling, ball spinning, slack lining, unicycle, magic, top spinning, balancing and more. When not performing he delivers unforgettable and entertaining Keynote presentations.

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