

# EDUCATOR'S INSPIRATION GUIDE

2018 - 2019



*Life up close.*

**HastingsMuseum**

Natural & Cultural History  
Planetarium • Theatre

# BOOK YOUR FIELD TRIP: 402.461.2399

Schools Inside Hastings City Limits	Museum Admission	School Programs	2D Films	3D Films	Planetarium Shows & Solar Observing
Students	FREE	FREE	\$4	\$6	FREE
Teachers, Paras & Bus Drivers	FREE	FREE	\$4	\$6	FREE
Adult Chaperones	\$3	Included with Museum Admission	\$4	\$6	Included with Museum Admission

Schools Outside Hastings City Limits	Museum Admission	School Programs	2D Films	3D Films	Planetarium Shows & Solar Observing
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Adult Chaperones	\$3	Included with Museum Admission	\$4	\$6	Included with Museum Admission

**Please Note:** Spring dates are very popular and fill up quickly. If you want a field trip in May, we recommend booking your visit ASAP.

**CALL** 402.461.2399 to make reservations. Bring a copy of your school's Form 13 when attending the Museum.

**BUSES** unload in the circle drive around the flagpole at the south end of the building. Free bus parking is available in the east parking lot.

**FOOD & DRINK** is available from many vendors within a few blocks of the Museum. We can provide a list upon request. There is also a picnic area and park behind the Museum.

### GROUP SIZE & RATIO

Minimum students per class: 5  
Maximum students per class: 25  
Group size, including students and adults, is limited to 30 people. Groups over 30 people will be split into two groups when doing school programs. We suggest a 1/5 adult/student ratio to ensure a successful visit with your class, but this is not a requirement.



## EXPERIENCE OUR BIGGEST EVENT OF THE YEAR!

Each year the Native American Festival (NAF) fills the Museum with multiple hands-on activities so your students can learn about Native American culture up close. Signing up for the festival is required, and grants you and your students access to several drop-in stations, as well as additional stations that require pre-registration due to limited space.

**Pre-registration** is required for additional NAF stations due to space. They include:

- » The Many Moccasins Dance Troupe in full regalia! Performance will take place on our stage in the Hastings Museum Theatre.
- » Matthew "Sitting Bear" Jones presents stories, tales, and legends of the Kiowa people.
- » A game room featuring four stations.
- » More to come soon! [Details Here](#)

### Add a planetarium show.

While you are here, try *Spirits from the Sky*, *First Stars*, or *Earth, Moon & Sun*. See the full list on pages 7 & 8. Schedule your show when you register for NAF.



Schools Inside Hastings City Limits	
Students	\$2
Teachers, Paras & Bus Drivers	\$2
Adult Chaperones	\$4

Schools Outside Hastings City Limits	
Students	\$4
Teachers, Paras & Bus Drivers	\$2
Adult Chaperones	\$4

For more information or to register call **402.461.2399**.

NATIVE AMERICAN FESTIVAL

**THURSDAY  
NOVEMBER 15**



Sponsored by:



HUMANITIES NEBRASKA



NEBRASKA ARTS COUNCIL

# PRE-K & KINDERGARTEN PROGRAMS

Special programs for preschool groups and kindergarten classes.

## HANDS-ON ADVENTURES

### Cowpoke Rodeo

Yee-haw! Get ready to have a wild time at our Cowpoke Rodeo. You'll try your hand at branding, cattle corralling, and barrel racing. Of course, it wouldn't be a truly western experience without a cowboy hat and some horse riding.

### Dinosaurs

Little dinosaurs will learn about our prehistoric past through an interactive play. After making their dino tails, they will shake them in a fun movement-based song. We will even get to look at real fossils and learn how they travel from the dig site to a museum.

### Native American Children

We will gather around the tipi as we explore the lives of young Native Americans. Children will get a peek inside an earth lodge, touch real bison objects, decorate a tipi, and end the class by dancing to the beat of a drum.

### Nature Explorers

Walk through the Nature Nook to find animals that live in water, underground, and in the air. Students will discover animals in their natural habitat while learning what they need to survive. We will do a search activity in the exhibit and stamp footprints to take home.



All programs meet Nebraska State Standards and are aligned with [Hastings Public Schools' Key Concepts and Essentials](#).

# ELEMENTARY PROGRAMS

Bring natural history, science, and cultural history up close.

## PROGRAMS BASED ON STATE STANDARDS

### Edwin Perkins: The Inventor

*Grades K-1*

We will explore various exhibits, including **Kool-Aid: Discover the Dream**, to find out what inventor Edwin Perkins' life was like growing up. Students will learn about wants versus needs and how they change, smell the original Kool-Aid flavors, and mix their own Kool-Aid combination!

### North American Mammals

*Grades 1-2*

Join us for some furry fun on a tour of the **Wildlife Diorama Hall**. Students will use their observational skills as we investigate physical adaptations, predator / prey relationships, characteristics of living things, and habitats. We will compare our feet to a polar bear's foot, find our bat family using smell, and work with animal pelts and skulls.

### Sea Monsters of Nebraska

*Grades 1-2*

Did you know Nebraska was covered by an inland sea when dinosaurs walked the Earth? As we tour our **Fossils** exhibit, we'll see the Cretaceous creatures that swam in our seas, including the life-sized Tylosaurus! Students will cast their own fossils and dig up clues about Nebraska's prehistoric environment.

### Plains Indian Culture

*Grades 1-3*

Join us as we travel back to the 19th century to discover what life was like for the Dakota, Cheyenne, and Pawnee tribes in the **People on the Plains** exhibit. We will explore their food, clothing, shelter, and daily chores. Students will play a hunting game, grind corn, and get up close to Native American objects. We will end by making a winter count slap bracelet.

### Kool-Aid: A Success Story

*Grades 2-3*

Nebraska's famous product comes alive in the exhibit, **Kool-Aid: Discover the Dream**. Explore what life was like during inventor Edwin Perkins' youth in the early 1900s. Learn how brand recognition and different advertising techniques helped Edwin make Kool-Aid a household brand. End the day by packaging some Kool-Aid.

### Exploring Rocks and Minerals

*Grades 3-5*

The Earth is full of mysteries waiting to be uncovered. Students will learn about some of the fascinating fields that study our complex planet. They will search for minerals in everyday objects, classify rocks, view glow-in-the-dark rocks, and do other hands-on activities throughout our large **Rocks and Minerals** exhibit.

### Corps of Discovery

*Grades 4-5*

What were the goals on the Lewis and Clark Expedition and how successful was their journey? Find out as we take part in our own Corps of Discovery! Adventurers will observe and document new animals, collect unusual artifacts, and discover how to translate different languages. Students will also learn more about Sacagawea and make friends through trade.

### Kool-Aid: Impacted by History

*Grades 4-5*

Experience how Kool-Aid was influenced by historical time periods and events such as the Great Depression and World War II. We will take you back to Kool-Aid's humble beginnings as we explore the **Kool-Aid: Discover the Dream** exhibit highlighting the historical events that shaped Kool-Aid into the product we all know and love. Students will play an inflation game, test their flavor knowledge, and end with a tasty treat!

### The Pawnee

*Grades 4-5*

This program brings the historic Pawnee to life in our **People on the Plains** exhibit. Students will investigate the usefulness of the bison through hands-on discovery and get up close to parts of this important animal. They will practice hand-eye coordination with a traditional hunting game and compare an earth lodge and tipi scene. We will dig into Pawnee farming practices and the Three Sisters crops.

**Note:** Programs run 45 minutes, but can be adapted to meet your needs with prior notice. Please limit to two programs per visit. If you are 15 minutes late or more, your first program could be canceled.

# EXPLORE 3 FLOORS OF EXHIBITS



The **Nature Nook** was designed specifically for elementary students!

Don't miss:

- » Real animal mounts
- » Interactive learning stations
- » Custom murals of Nebraska landscapes
- » An "underground" tunnel
- » Pop-up stations surrounded by flora & fauna
- » Free-play zones with nature-themed books, puzzles & puppets

## DESIGN YOUR PERFECT DAY

No one knows better than you what connections will mean the most to your students. Are you studying Nebraska history and settlement, or maybe western expansion? We've got real artifacts that tie directly to those topics. Our Theatre, Planetarium, and School Programs offer a wide variety of themes, but perhaps you have a specific idea in mind to suit your classroom. We encourage self-guided tours, and time for students with their chaperones to explore in small groups. Design the day that works best for you. Our exhibits can enhance what you are teaching!

Don't miss these artifacts:

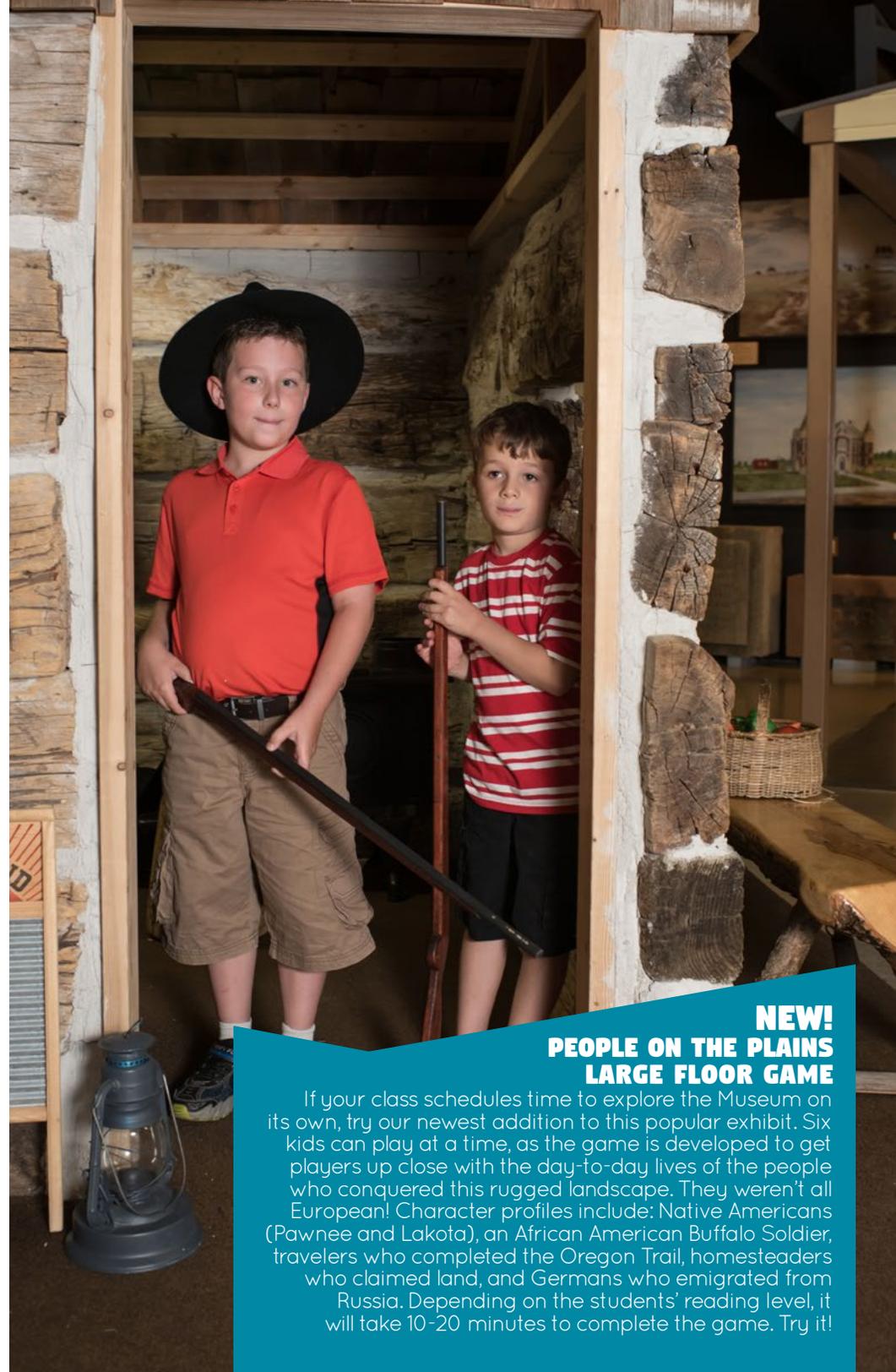
- » Covered Wagon
- » Replica Plains Indian Tipi
- » Early Farming Equipment
- » Replica 1900s Mercantile
- » Pawnee Earth Lodge Model
- » Pioneer Era Log Cabin

## 3 EXHIBITS TEACHERS LOVE:

**Rocks & Minerals:** This exhibit is a great way to enhance your teaching on geology and prehistoric history. It's an amazing collection of rocks, minerals, and fossils—both real and replicated—found right here in Nebraska!

**Lock, Stock & Barrel:** This exhibit features more than 500 firearms. It spans weaponry from the Plains Indians to the Vietnam War. It can tie into American history lessons at numerous grade levels.

**Nature Nook:** Experience an interactive journey through the natural environments of Nebraska. Students will explore prairie, river, and wetland habitats up close, and investigate human impacts on nature in both rural and agricultural settings. The **Nature Nook** can accommodate up to 30 students. Time in this space is booked like any other educational program at the Museum. Simply inquire with Visitor Services when you are making plans for your field trip. There is no additional cost for the **Nature Nook**.



## NEW! PEOPLE ON THE PLAINS LARGE FLOOR GAME

If your class schedules time to explore the Museum on its own, try our newest addition to this popular exhibit. Six kids can play at a time, as the game is developed to get players up close with the day-to-day lives of the people who conquered this rugged landscape. They weren't all European! Character profiles include: Native Americans (Pawnee and Lakota), an African American Buffalo Soldier, travelers who completed the Oregon Trail, homesteaders who claimed land, and Germans who emigrated from Russia. Depending on the students' reading level, it will take 10-20 minutes to complete the game. Try it!

# PLANETARIUM SHOWS

Full dome shows are pre-recorded and include a video image covering nearly the entire dome. A mini Sky Tonight full dome may be added at the close of any full dome show.

## FULL DOME SHOWS

### One World, One Sky

*Grades Pre-K-2 (25 minutes)*

Discover the Big Dipper, the North Star, the Sun, and the Moon with your Sesame Street friends. *Also available in Spanish!*

### The Little Star That Could

*Grades K-3 (36 minutes)*

The Little Star discovers how stars are born, die, and why stars are different colors. Near the end of his search, the Little Star finds out about planets.

### Rusty Rocket's Last Blast

*Grades 1-5 (39 minutes)*

Audiences will get an introductory tour of the solar system, focusing on the wide variety of planetary environments and immense distances between them.

### Earth, Moon & Sun

*Grades 2-5 (27 minutes)*

Learn about the relationship between the Earth, Moon, and Sun with the help of Coyote, a fun character adapted from Native American oral traditions.

### Flight Adventures

*Grades 3-8 (20 minutes)*

Discover the science and history of flight through the eyes of a young girl and her grandfather as they explore how birds, kites, planes, and models fly.

### Two Small Pieces of Glass

*Grades 3-12 (25 minutes)*

At a modern star party, see how Galileo Galilei built a "spyglass" and first aimed it to the heavens over 400 years ago.

### Dawn of the Space Age

*Grades 4-12 (41 minutes)*

From the launch of the first artificial satellite Sputnik, to the lunar landings and privately operated space flights—be immersed and overwhelmed with this historic reconstruction of man's first steps into space.

### Extrasolar Planets

*Grades 4-12 (31 Minutes)*

Astronomers today are using specialized equipment to observe stars in our galaxy to search for a star with planets orbiting it. This could prove that we are not alone.

### Nine Planets and Counting

*Grades 4-12 (37 minutes)*

Discover planets and other celestial objects with a journey through the Solar System. This was produced in 2006 just before Pluto was demoted to a dwarf planet.

### Season of Light

*Grades 4-12 (36 minutes)*

We discuss the Winter Solstice and the origins of holiday traditions, concluding with a possible explanation for the famous Star of Bethlehem.

### To Space & Back

*Grades 4-12 (25 minutes)*

Experience an extraordinary story of human ingenuity and incredible engineering, describing how the technology that transports us through space is paving the way for the devices and apps we use every day.

### Black Holes (2016)

*Grades 6-12 (35 minutes)*

Some of the most mysterious objects known, black holes defy the imagination. Explore how black holes form, their strange properties, and what exactly would happen if you got too close!

### Cosmic Colors

*Grades 5-12 (32 minutes)*

Discover the many reasons for color—like why the sky is blue and why Mars is red. Take a tour within a plant leaf and journey inside the human eye. Investigate X-rays by voyaging to a monstrous black hole and then back to your doctor's office.

### Infinity Express

*Grades 5-12 (25 minutes)*

Learn the latest breakthroughs in our quest to understand the universe with Hubble Space Telescope images, and more.

### Seeing

*Grades 5-12 (27 minutes)*

Ride a photon across the galaxy to your mind's eye and experience how we see. Follow a photon's creation and journey across the galaxy to a young stargazer's eye, then learn about the structures of the eye and their functions.

### Solar Quest

*Grades 5-12 (12 minutes)*

This short feature demonstrates how the Sun and Earth are interconnected and that we are "Living with a Star".

### Spirits from the Sky

*Grades 5-12 (33 minutes)*

Take an in-depth look at the Pawnee Nation, which thrived in parts of Kansas and Nebraska from the late 1600s to the 1750s. Students will learn how the Pawnee organized their calendar according to which stars were visible in the sky, and hear the Pawnee creation legend.

### The Sky Tonight

*(Full 14 minutes | Mini 7 minutes.)*

This is a seasonal sky show discussing the highlights of the current season: Fall, Winter, Spring, or Summer. It discusses the issue of light pollution and how it effects our view of the night sky. It is offered in two formats: the full show and mini show.



*Open Captions. If OC is next to the title, captions of the show's narration can be turned on & seen by everyone in the planetarium.*



## LIVE SHOWS

### The Sky Tonight

*Grades K-12 (30-45 minutes)*

This is a live, interactive tour of the current evening sky. Bright stars, constellations, planets, and any unusual sights are highlighted during this program. Questions from the audience are encouraged after the show. This show is adapted for different grades and levels of interest.

### First Stars

*Grade Pre-K (15 minutes)*

A shortened version of The Sky Tonight for very young sky watchers introduces the planetarium and its starry sky. This show begins with a sunset and ends with sunrise.

## SOLAR OBSERVING

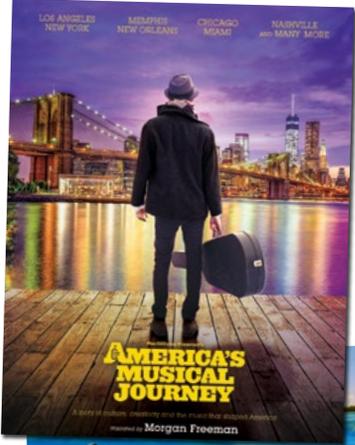
*Grades 4-12 (approx. 20 minutes)*

Participants safely view the Sun in three different ways: with the unaided eye, through a telescope equipped with a white-light solar filter, and a hydrogen-alpha filter. The outside temperature must be at least 50° F. This activity is recommended for groups of 20 or less.

**PLANETARIUM SEATING CAPACITY IS 48. [ADDITIONAL SHOWS LISTED ONLINE.](#)**

# FILMS ON THE SUPER SCREEN

Experience the largest digital 3D screen in Nebraska! Hastings Museum's three-story screen and six channel surround sound will immerse you and your students in new worlds. Our Theatre lets them experience what you are teaching in class through a different lens. You will be amazed at how they respond.



## NOW SHOWING IN 3D OR 2D

### America's Musical Journey

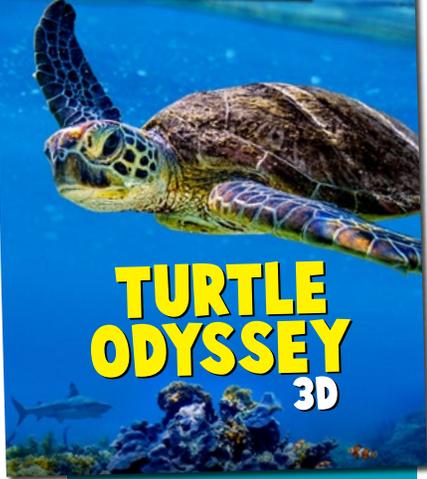
In America's musical cities, every chord, every riff, every bang of a drum tells a story. In **America's Musical Journey** these stories come together to create a soundtrack for the American experience—a soundtrack that showcases the nation's diversity and its collision of cultures, culminating in a unique blend of sound, music, and innovation unlike anywhere else in the world. Visit New York, Memphis, Chicago, Miami, and more. Learn how each city contributed its own flavor to the soundtrack of America. Follow singer Aloe Blacc as he traces the roots of American music through these great musical cities where jazz, the blues, country, soul, and rock and roll were born.

**Sponsored locally in honor of our community's many dedicated and highly-talented music educators.**

## COMING SOON

### Turtle Odyssey Opens Sept. 14

Sea turtles are some of Earth's most ancient and majestic creatures. For over 100 million years, they have travelled the seas, surviving multiple mass extinctions, and playing critical roles in maintaining healthy, marine food webs. These remarkable reptiles swim thousands of miles of open ocean for as long as 50 years and then migrate, with mysterious precision, back to the very beach where they were born to lay eggs that are the foundation of the next generation. Along the way they encounter many kinds of strange and compelling creatures from enormous breaching whales to the coral wonderland of the Great Barrier Reef—all of which were filmed in stunning 3D. The result is playful sea lions, tiny sea horses, and vibrant clown fish floating right out into the theatre! **Turtle Odyssey** reminds us just how interconnected we all are in this amazing world.



## FILM PRICES

**2D: \$4**  
**3D: \$6**

**Please Note:** Theatre admission is required for all students, teachers, bus drivers, paras, and adult chaperones.

**Re-use** your 3D glasses from a previous visit and save 50¢ per 3D ticket.



## MORE CHOICES

Films listed below rotate out of our library on different schedules. Inquire with Visitor Services for exact dates.

### Lewis & Clark 2D

### Galapagos: Nature's Wonderland 3D

### Flight of the Butterflies 3D

### D-Day 3D/2D

### Dream Big 3D/2D

### We The People 2D

### Tornado Alley 3D

## EASY ADD-ONS FOR TEACHERS

The large format films booked at the Museum all have the dual purpose of entertainment and education. Most films have an amazing Educators Guide teachers can download from: [HastingsMuseum.org/education-guides](http://HastingsMuseum.org/education-guides)

Need a poster with turtles from all over the world? Or video clips of rare instruments? These guides can be a great time-saving way to enrich your curriculum!

**WANT AN EASY WAY FOR YOUR STUDENTS TO SHOP? SEE BACK COVER!**



## Discounts for Teachers

Everyday, teachers pay just \$4 for large format 2D films and \$6 for 3D films, plus tax (family members and guests are charged regular admission fees). Please present your NSEA card for the teacher discount. Save your receipt and present it when you bring your class to see the film, and your ticket is FREE!

Of the estimated 17,500 museums in the United States, less than 5 percent meet the professional standards and best practices required for accreditation. The Hastings Museum is proud to be one of them! [More about accreditation.](#)





**HastingsMuseum**

Natural & Cultural History  
Planetarium • Theatre

**HastingsMuseum.org**

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