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THE MUSEUM OF SCIENCE AND INDUSTRY PRESENTS *THE SCIENCE BEHIND PIXAR*
New exhibit unveils the technology behind some of the most beloved animated films

CHICAGO, Ill.—Discover the science and technology behind “Toy Story,” “A Bug’s Life,” “Finding Nemo,” and more timeless Pixar films with *The Science Behind Pixar*, opening at the Museum of Science and Industry, Chicago (MSI) on May 24, 2018. This interactive exhibition showcases the science, technology, engineering, and math (STEM) concepts used by the artists and computer scientists who help bring Pixar’s award-winning films to the big screen.

Guests of all ages can experience the filmmaking process through hands-on activities inspired by some of Pixar’s most treasured films, from the first-ever computer animated feature film “Toy Story,” which opened over two decades ago, to Pixar’s 2015 release, “Inside Out.”

“Pixar’s pioneering technology sits at the intersection of art, engineering and science and shows that there are multiple paths to a STEM career, said David Mosenia, president and CEO of MSI. “As an institution dedicated to inspiring the inventive genius in everyone, we are excited to show guests the unexpected ways that the fundamental skills taught in science learning – problem solving, trial and error and iteration – are utilized to bring these beloved characters to life.”

Created by the Museum of Science, Boston and Pixar Animation Studios, *The Science Behind Pixar* features more than 40 interactive elements demonstrating the technology that supports the creativity and artistry of Pixar’s storytellers. The exhibit is divided into eight sections, each focusing on a step of filmmaking: **Modeling, Rigging, Surfaces, Sets and Cameras, Animation, Simulation, Lighting, and Rendering**. Each section provides guests with a behind-the-scenes look at the production process and the concepts used at Pixar every day:

- **Sets and Cameras:** Guests will discover how a bugs-eye view was achieved for “A Bug’s Life,” through camera angles and large-set design within the computer.
- **Modeling:** Envision how digital sculptures are created based on sketches from artists.
- **Lighting:** Solve challenges similar to what Pixar artists faced in creating animated water in “Finding Nemo.”
- **Rigging:** See how models are given a virtual skeleton to enable the animators to add movement.
- **Surfaces:** Discover the techniques behind adding color and texture to every surface.

Guests will also have the opportunity to take their photo with human-size recreations of many of their favorite Pixar film characters, including Buzz Lightyear, Dory, Mike and Sulley, Edna Mode, and WALL•E.

To better understand the science and math that goes into creating the worlds and characters of Pixar’s films, guests will hear first-hand from members of the studios’ production teams. They will also be invited to experience different roles within the production pipeline, through screen-based activities and physical interactive elements.

"*The Science Behind Pixar* is a behind-the-scenes look at how our movies are made," said Ed Catmull, president of Pixar and Disney Animation Studios. "The interactive exhibition gives people the opportunity to learn about the jobs our filmmakers do every day and tackle similar problems. It's a great demonstration of how much creativity and imagination is involved in the science, technology, engineering, art and math thinking essential to our filmmaking process."

The Science Behind Pixar is sponsored locally by BMO Harris Bank and will be at MSI through January 6, 2019. It is not included in Museum Entry and requires an additional timed-entry ticket, \$14 for adults and seniors and \$11 for children.

"BMO Harris Bank proudly supports the Museum of Science and Industry in their mission to inspire and foster creativity among people of all ages," said Christopher Begy, U.S. Country Head & CEO, BMO Financial Corp. and MSI trustee. "This interactive exhibition is a great example of what a career in STEM can look like and we're thrilled to be sponsoring it."

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The Museum of Science and Industry, Chicago (MSI), one of the largest science museums in the world, offers world-class and uniquely interactive experiences that inspire inventive genius and foster curiosity. From groundbreaking and award-winning exhibits that can't be found anywhere else, to hands-on opportunities that make you the scientist—a visit to MSI is where fun and learning mix. Through its Welcome to Science Initiative, the Museum offers a variety of student, teacher and family programs that make a difference in communities and contribute to MSI's larger vision: to inspire and motivate children to achieve their full potential in science, technology, medicine and engineering. Come visit and find your inspiration! MSI is open 9:30–4 p.m. every day except Thanksgiving and Christmas Day. Extended hours, until 5:30 p.m., are offered during peak periods. The Museum is grateful for the support of its donors and guests, who make its work possible. MSI is also supported in part by the people of Chicago through the Chicago Park District. For more information, visit msichicago.org or call (773) 684-1414.

Support for *The Science Behind Pixar*

The Science Behind Pixar is funded through support by Google, members of the Science Museum Exhibit Collaborative (SMEC), Institute of Museum and Library Services (IMLS) and the National Science Foundation (NSF).

About Pixar Animation Studios

Pixar Animation Studios, a wholly owned subsidiary of The Walt Disney Company, is an Academy Award®-winning film studio with world-renowned technical, creative and production capabilities in the art of computer animation. The Northern California studio has created some of the most successful and beloved animated films of all time, including "Toy Story," "Monsters, Inc.," "Cars," "The Incredibles," "Ratatouille," "WALL•E," "Up," "Toy Story 3," "Brave," "Inside Out," and "Coco." Its movies have won 32 Academy Awards® and have grossed more than \$11 billion at the worldwide box office to date. "Incredibles 2," Pixar's 20th feature, opens in theaters on June 15, 2018.

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