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CHALLENGE GUIDE FIRST® LEGO® LEAGUE 2018-2019

INTO ORBITSM

Bronnen

Projectbronnen

FIRST® en Stichting Techniekpromotie hebben geen controle over de inhoud van onderstaande bronnen en kunnen er niet verantwoordelijk voor worden gehouden. Ze worden hier alleen vermeld als optionele, extra informatie. Bekijk en beoordeel zelf de geschiktheid van bronnen voor het team.

Video's

Business Insider Science: The Scale of the Universe

<https://www.youtube.com/watch?v=nxs5wye0JXs>

Smithsonian Channel: Space: Bots or Bodies (Full Episode)

<https://www.youtube.com/watch?v=fd4QD3jZzxo>

The Verge: Astronaut Scott Kelly on the Psychological Challenges of Going to Mars

<https://www.youtube.com/watch?v=OL9cpxuN7NY&feature=youtu.be>

Smithsonian Channel: Three Types of Food You Can Take to Space

<https://www.youtube.com/watch?v=JSAKd67K3rQ>

Smithsonian Channel: Mining for Minerals in Space

<https://www.youtube.com/watch?v=zHNjhOARjfo>

Smithsonian Channel: Martian Living Quarters

<https://www.youtube.com/watch?v=C5Uy97FR36o>

Smithsonian Channel: How Mission Control Saved the Apollo 13 Crew

<https://www.youtube.com/watch?v=ljiRA6GtxSA>

Space Safety Magazine: Micrometeoroid Hits ISS Cupola

<http://www.spacesafetymagazine.com/space-debris/kessler-syndrome/micrometeoroid-hit-iss-cupola/>

NASA eClips™

<https://nasaclips.arc.nasa.gov/>

Makers Profile: Katherine G. Johnson, Mathematician, NASA

<http://www.makers.com/katherine-g-johnson>

European Space Agency (ESA): International Space Station Toilet Tour

https://www.youtube.com/watch?v=C-65mBQ7s_Q

NASA-Johnson Space Center: Karen Nyberg Shows How You Wash Hair in Space

<https://www.youtube.com/watch?v=uljNfZbUYu8>

European Space Agency (ESA): Cooking in Space: Whole Red Rice and Turmeric Chicken

<https://www.youtube.com/watch?v=4exaXdPKS3Y>

PBS Learning Media: Life on the International Space Station: An Astronaut's Day
<https://pbslearningmedia.org/resource/nyis16-sci-lifeonboard/life-on-the-international-space-station-an-astronauts-day/#.WZ9XNz595hG>

PBS Learning Media: Running in Space!
<https://pbslearningmedia.org/resource/nyis16-sci-running/running-in-space/#.WZ9aTz595hG>

Websites en publicaties

National Aeronautics and Space Administration (NASA)
<https://www.nasa.gov/>

National Aeronautics and Space Administration (NASA) – For Educators
<https://www.nasa.gov/audience/foreducators/index.html>

National Aeronautics and Space Administration (NASA) – For Students
<https://www.nasa.gov/audience/forstudents/index.html>

NASA Visitor Center Locations
<http://www.visitnasa.com/>

European Space Agency
<http://www.esa.int/ESA>

European Space Agency – For Educators
<http://www.esa.int/Education>

European Space Agency – For Kids
<http://www.esa.int/esaKIDSen/>

Japanese Aerospace Exploration Agency – JAXA
<http://global.jaxa.jp/>

ROSCOSMOS – The Russian State Space Corporation
<http://en.roscosmos.ru/>

China National Space Administration
<http://www.cnsa.gov.cn/>

Department of Space – Indian Space Research Organisation
<http://isro.gov.in/>

Brazilian Space Agency (AEB)
<http://www.aeb.gov.br/>

International Planetarium Society, Inc.

<http://www.ips-planetarium.org/>

International Planetarium Society – Directory of the World’s Planetariums

<https://c.ymcdn.com/sites/ips-planetarium.site-ym.com/resource/resmgr/pdf-dir/3-PlanetariumDirectory.pdf>

List of Aerospace Museums

https://en.wikipedia.org/wiki/List_of_aerospace_museums

Association of Science –Technology Centers

<http://www.astc.org/>

NASA – Life Support Systems

<https://www.nasa.gov/content/life-support-systems>

NASA – What is a Spacesuit?

<https://www.nasa.gov/audience/forstudents/5-8/features/nasa-knows/what-is-a-spacesuit-58.html>

NASA – Space Food Fact Sheets

<https://www.nasa.gov/audience/formedia/presskits/spacefood/factsheets.html>

The American Institute of Aeronautics and Astronautics (AIAA)

<http://www.aiaa.org/>

Royal Aeronautical Society – Careers and Education

<https://www.aerosociety.com/careers-education/>

NASA – Spinoff

<https://spinoff.nasa.gov/>

Space.com – Best Space Books for Kids

<https://www.space.com/32987-best-kids-books.html>

Planetary Society – Emily Lakdawalla’s Recommended Kids’ Space Books

<http://www.planetary.org/blogs/emily-lakdawalla/2016/emily-lakdawalla-space-book-recommendations.html>

Boeken

Chasing Space (Young Readers’ Edition)

By Leland Melvin, Amistad (2017) ISBN-13: 978-0062665928

You Are the First Kid on Mars

By Patrick O’Brien, G.P. Putnam’s Sons (2009) ISBN-13: 978-0399246340

Mission to Pluto: The First Visit to an Ice Dwarf and the Kuiper Belt

By Mary Kay Carson and Tom Uhlman, HMH Books (2017) ISBN-13: 978-0544416710

Chris Hadfield and the International Space Station

By Andrew Langley, Heinemann (2015) ISBN-13: 978-1484625224

Martian Outpost: The Challenges of Establishing a Human Settlement on Mars

By Erik Seedhouse, Praxis (2009) ISBN-13: 978-0387981901

Alien Volcanoes

By Rosaly M. C. Lopes, Johns Hopkins University Press (2008) ISBN-13: 978-0801886737

Welcome to Mars: Making a Home on the Red Planet

By Buzz Aldrin and Marianne Dyson, National Geographic Children's Books (2015) ISBN-13: 978-1426322068

Max Goes to the Space Station

By Jeffrey Bennett and Michael Carroll, Big Kid Science (2013) ISBN-13: 978-1937548285

