

# Links Raumschiff Erde

Raumschiff Erde

Markus Eugster

Die meisten NASA-Adressen haben von http auf https gewechselt. Ich habe nicht alle neu eingesetzt. Evtl. mit https versuchen, falls mein Link nicht geht.

Es gibt tausende guter Links, meine Liste ist in diesem Sinn völlig unvollständig. Wer gerne immer wieder neue, aktuelle Links (nicht nur astronomische, sondern allg. naturwissenschaftliche) erhalten möchte, kann sich für den monatlichen Newsletter meines jahreszeitlichen Fotoprojekts SIMB anmelden ([simybiome@gmail.com](mailto:simybiome@gmail.com)).

| Link | Zielgruppe   |   | Stichwörter  | Inhalt   |
|------|--|---|--|--|
|      |  |   |  |  |
| 1.   | <a href="http://stellarium.org/">http://stellarium.org/</a>  |   |  | Stellarium<br>Astronomie-Software  |
| 2.   | <a href="http://spaceweather.com/">http://spaceweather.com/</a>  |   |  | Spaceweather   |
| 3.   | <a href="http://www.globeatnight.org/">http://www.globeatnight.org/</a>  |   |  | GLOBE at night   |
| 4.   | <a href="https://www.nasa.gov/">https://www.nasa.gov/</a>  |   |  | NASA   |
| 5.   | <a href="http://www.esa.int/Education/Classroom_resources">http://www.esa.int/Education/Classroom_resources</a>  |   |  | ESA<br>Startseite für ESA-Schulungs-Unterlagen   |
| 6.   | <a href="http://rosetta.esa.int/">http://rosetta.esa.int/</a><br><a href="http://sci.esa.int/where_is_rosetta/">http://sci.esa.int/where_is_rosetta/</a>   |   |  | ESA<br>ESA Rosetta Mission<br>Lage von Rosetta im Sonnensystem                                 |
| 7.   | <a href="https://www.youtube.com/watch?v=H08tGjXNH04&amp;feature=youtu.be">https://www.youtube.com/watch?v=H08tGjXNH04&amp;feature=youtu.be</a>  |   |  | ESA<br>Rosetta: Ambition<br>How Rosetta is turning science fiction into science fact. Ambition |
| 8.   | <a href="http://www.esa.int/ESA">http://www.esa.int/ESA</a>  |   |  | ESA  |
| 9.   | S  |   |  | Cassini/Huygens: Reiseziel Titan (Comic)   |
| 10.  | <a href="http://www.dlr.de/cassini-huygens/desktopdefault.aspx/tabid-315/954_read-1186/">http://www.dlr.de/cassini-huygens/desktopdefault.aspx/tabid-315/954_read-1186/</a>  |   |  | Die Cassini-Huygens-Mission im Überblick   |
| 11.  | <a href="http://www.guardian.co.uk/science/2013/feb/15/meteorite-explosion-shakes-russian">http://www.guardian.co.uk/science/2013/feb/15/meteorite-explosion-shakes-russian</a>  |   |  | 15. Februar 2013: Meteorit explodiert über Russland  |
| 12.  | Russen   | <a href="http://zyalt.livejournal.com/722930.html">http://zyalt.livejournal.com/722930.html</a> | bzw. <a href="http://varlamov.ru/722930.html">http://varlamov.ru/722930.html</a> | 15. Februar 2013: Meteorit explodiert über Russland<br>Bilder und Filme                        |
| 13.  | <a href="https://www.youtube.com/watch?v=0fKBhvDjuy0">https://www.youtube.com/watch?v=0fKBhvDjuy0</a>  |   |  | Powers of ten (Original englisch) 9min   |
| 14.  | <a href="https://www.youtube.com/watch?v=SnPUx5yUkQo">https://www.youtube.com/watch?v=SnPUx5yUkQo</a>  |   |  | Hoch 10 (von arte) 8:41min   |
| 15.  | <a href="http://pmm.nasa.gov/GPM">http://pmm.nasa.gov/GPM</a><br><a href="http://pmm.nasa.gov/precipitation-measurement-missions">http://pmm.nasa.gov/precipitation-measurement-missions</a><br><a href="http://pmm.nasa.gov/education/">http://pmm.nasa.gov/education/</a><br><a href="http://svs.gsfc.nasa.gov/Gallery/GPM.html">http://svs.gsfc.nasa.gov/Gallery/GPM.html</a> |   |  | GPM<br>Global Precipitation Measurement Mission  |
| 16.  | <a href="http://www.globe.gov/">http://www.globe.gov/</a>  |   |  |  |

|     |  |                       |   |
|-----|--|-----------------------|---|
|     |  |                       | GLOBE   |
| 17. | <a href="http://www.globe-swiss.ch/de/">http://www.globe-swiss.ch/de/</a>  |                       | GLOBE Schweiz   |
| 18. | <a href="https://www.youtube.com/watch?v=yytqUdiNb4&amp;feature=youtu.be">https://www.youtube.com/watch?v=yytqUdiNb4&amp;feature=youtu.be</a>  |                       | Film zum 20. Geburtstag von GLOBE 2015  |
| 19. | <a href="https://www.nasa.gov/mission_pages/newhorizons/main/index.html">https://www.nasa.gov/mission_pages/newhorizons/main/index.html</a><br><a href="http://www.nasa.gov/feature/nasa-s-new-horizons-a-heart-from-pluto-as-flyby-begins">http://www.nasa.gov/feature/nasa-s-new-horizons-a-heart-from-pluto-as-flyby-begins</a> |                       | Pluto Flyby NASA  |
| 20. | <a href="http://www.esa.int/Education/Explore_Saturn_and_Titan_at_school">http://www.esa.int/Education/Explore_Saturn_and_Titan_at_school</a>  |                       | Explore Saturn and Titan  |
| 21. | <a href="http://www.esa.int/Education/Unterrichtsheft">http://www.esa.int/Education/Unterrichtsheft</a>  |                       | ESA-Unterrichtsmaterialien zum Download   |
| 22. | <a href="http://www.esa.int/Education">http://www.esa.int/Education</a>  |                       | Education at ESA  |
| 23. | <a href="http://www.esa.int/Our_Activities/Human_Spaceflight/Education">http://www.esa.int/Our_Activities/Human_Spaceflight/Education</a>  |                       | Human Spaceflight and exploration   |
| 24. | <a href="http://classroomclipart.com/">http://classroomclipart.com/</a>  |                       | A Source for Free Clipart, Clip Art Pictures and Illustrations. The World of Learning Through Images.   |
| 25. | <a href="http://www.lehrer-online.de/orientierung-am-himmel.php">http://www.lehrer-online.de/orientierung-am-himmel.php</a>  |                       | Erste Schritte zur Orientierung am Sternhimmel  |
| 26. | <a href="http://www.lehrer-online.de/732259.php?sid=63925529023055740344235443544750">http://www.lehrer-online.de/732259.php?sid=63925529023055740344235443544750</a>  |                       | Trockenübungen mit Stellarium   |
| 27. | <a href="http://www.esa.int/Our_Activities/Human_Spaceflight/Lessons_online/Leben_im_Weltraum">http://www.esa.int/Our_Activities/Human_Spaceflight/Lessons_online/Leben_im_Weltraum</a>  |                       | Leben im Weltraum   |
| 28. | <a href="http://www.esa.int/Our_Activities/Human_Spaceflight/PromISSE/PromISSE_educational_experiments">http://www.esa.int/Our_Activities/Human_Spaceflight/PromISSE/PromISSE_educational_experiments</a>  |                       | Educational experiments   |
| 29. | <a href="http://spacecraftkits.com/free.html">http://spacecraftkits.com/free.html</a>  |                       | Spacecraft Model Kits   |
| 30. | <a href="http://esamultimedia.esa.int/docs/atv_model/ATV_2002_Intro.htm">http://esamultimedia.esa.int/docs/atv_model/ATV_2002_Intro.htm</a>  |                       | Paper model of the ATV  |
| 31. | <a href="https://www.esa.int/esaKIDSen/">https://www.esa.int/esaKIDSen/</a>  |                       | ESA for kids  |
| 32. | <a href="https://www.esa.int/esaKIDSen/build.html">https://www.esa.int/esaKIDSen/build.html</a>  |                       | ESA Bastelseite   |
| 33. | <a href="http://www.academia.edu/447756/Paper_Scale_Models">http://www.academia.edu/447756/Paper_Scale_Models</a>  |                       | Paper Scale Models  |
| 34. | <a href="http://www.esa.int/Our_Activities/Human_Spaceflight/ATV/ATV-2_i_Johannes_Kepler_i">http://www.esa.int/Our_Activities/Human_Spaceflight/ATV/ATV-2_i_Johannes_Kepler_i</a>  |                       | ATV-2: Johannes Kepler  |
| 35. | <a href="http://unihedron.com/projects/darksky/">http://unihedron.com/projects/darksky/</a><br><a href="http://unihedron.com/projects/sqm-l/">http://unihedron.com/projects/sqm-l/</a>   |                       | SQM = Sky Quality Meter   |
| 36. | <a href="http://www.globeatnight.org/sqm.php">http://www.globeatnight.org/sqm.php</a>  |                       | GLOBE at night: Sky quality meter   |
| 37. | <a href="http://www.timeanddate.com/">http://www.timeanddate.com/</a>  |                       | Viele nützliche Angaben, z. B. zu Zeitzonen und Sonne / Mond  |
| 38. | <a href="http://www.timeanddate.com/sun/switzerland/st-gallen">http://www.timeanddate.com/sun/switzerland/st-gallen</a>  | Kulmination<br>Mittag | Hier kann man nachschauen, wann es z. B. in St. Gallen (Ort wählbar) genau Mittag ist (Tabelle rechts: Solar noon) (braucht man z. B. für die Messung der Mittagshöhe der Sonne).<br>Daneben erhält man auch Daten zum Sonnenauf- und -untergang, zur Dämmerung, usw. |
| 39. | <a href="https://www.youtube.com/watch?v=2uL8LX4LmbA">https://www.youtube.com/watch?v=2uL8LX4LmbA</a>  |                       |   |

|     |   |  |   |
|-----|---|--|---|
|     |   |  | NASA Goddard: earth from orbit, it's beauty   |
| 40. | <a href="https://www.youtube.com/watch?v=P5_GIAOCHyE">https://www.youtube.com/watch?v=P5_GIAOCHyE</a>   |  | earth seen from space   |
| 41. | <a href="https://www.youtube.com/watch?v=jdkMHkF7BaA">https://www.youtube.com/watch?v=jdkMHkF7BaA</a>   |  | Our moon: a view from the other side  |
| 42. | <a href="https://www.youtube.com/watch?v=w-41gAPmUG0">https://www.youtube.com/watch?v=w-41gAPmUG0</a>   |  | 5-year time-lapse of the sun  |
| 43. | <a href="http://svs.gsfc.nasa.gov/search/Series/NarratedMovies.html">http://svs.gsfc.nasa.gov/search/Series/NarratedMovies.html</a>   |  | an huge and rich list of narrated movies from NASA  |
| 44. | <a href="http://science.nasa.gov/citizen-scientists/">http://science.nasa.gov/citizen-scientists/</a>   |  | Citizen Scientists have helped to answer serious scientific questions, provide vital data to the astronomical community, and have discovered thousands of objects including nebulas, supernovas, and gamma ray bursts. NASA supports several resources which may be of interest to amateur and professional scientists alike. |
| 45. | <a href="http://science.nasa.gov/ask-a-scientist/">http://science.nasa.gov/ask-a-scientist/</a>   |  | Startseite zum Wählen des Wissenschaftlertypen  |
| 46. | <a href="http://coolcosmos.ipac.caltech.edu/asks">http://coolcosmos.ipac.caltech.edu/asks</a>   |  | Do you have a question about a topic in astronomy or about an object in space? You may find the answer below.   |
| 47. | <a href="http://science.nasa.gov/educators/">http://science.nasa.gov/educators/</a>   |  | NASA Science for educators  |
| 48. | <a href="http://space.jpl.nasa.gov/">http://space.jpl.nasa.gov/</a>   |  | Solar System Simulator  |
| 49. | <a href="http://climate.nasa.gov/scientific-consensus/">http://climate.nasa.gov/scientific-consensus/</a>   |  | Global Climate Change: Vital Signs of the Planet  |
| 50. | <a href="http://nasawavelength.org/">http://nasawavelength.org/</a><br><a href="http://nasawavelength.org/resource-search?qq=&amp;facetSort=1&amp;educationalLevel=Middle+school">http://nasawavelength.org/resource-search?qq=&amp;facetSort=1&amp;educationalLevel=Middle+school</a><br><a href="http://nasawavelength.org/resource-search?qq=&amp;facetSort=1&amp;educationalLevel=High+school">http://nasawavelength.org/resource-search?qq=&amp;facetSort=1&amp;educationalLevel=High+school</a> |  | A full spectrum of NASA resources for Earth and space science education<br>2. Link: 6. – 8. Klasse<br>3. Link: 9. – 12. Klasse  |
| 51. | <a href="https://svs.gsfc.nasa.gov/">https://svs.gsfc.nasa.gov/</a>   |  | animations and videos at NASA's Scientific Visualization Studio   |
| 52. | <a href="http://solarsystem.nasa.gov/">http://solarsystem.nasa.gov/</a><br><a href="http://solarsystem.nasa.gov/planets/pluto/">http://solarsystem.nasa.gov/planets/pluto/</a>  |  | Solar system exploration<br>z. B. über Pluto: King of the Kuiper belt   |
| 53. | <a href="http://pluto.jhuapl.edu/">http://pluto.jhuapl.edu/</a>   |  | New Horizons: NASA's mission to Pluto   |
| 54. | <a href="https://www.youtube.com/watch?v=ZMuE0UI84Iq&amp;feature=c4-overview-vl&amp;list=PL1139A87D8FDD6221">https://www.youtube.com/watch?v=ZMuE0UI84Iq&amp;feature=c4-overview-vl&amp;list=PL1139A87D8FDD6221</a>   |  | New Horizons -- The Long Journey to Pluto -- Dr. Ralph McNutt   |
| 55. | <a href="https://www.nasa.gov/mission_pages/newhorizons/main/index.html">https://www.nasa.gov/mission_pages/newhorizons/main/index.html</a>   |  | New Horizons  |
| 56. | <a href="http://www.esa.int/Our_Activities/Space_Science/Rosetta">http://www.esa.int/Our_Activities/Space_Science/Rosetta</a>   |  | homepage Rosetta  |
| 57. | <a href="http://www.esa.int/Our_Activities/Space_Science/Rosetta/Rosetta_and_Philae_find_comet_not_magnetised">http://www.esa.int/Our_Activities/Space_Science/Rosetta/Rosetta_and_Philae_find_comet_not_magnetised</a>   |  | news and details about Rosetta:   |
| 58. | <a href="http://blogs.esa.int/rosetta/">http://blogs.esa.int/rosetta/</a>   |  | latest pictures:  |
| 59. | <a href="http://blogs.esa.int/rosetta/2015/05/15/cometwatch-closeup-hathor-from-seth/">http://blogs.esa.int/rosetta/2015/05/15/cometwatch-closeup-hathor-from-seth/</a>   |  | Rosetta blog  |
| 60. | <a href="http://www.esa.int/spaceinimages/Images/2015/05/Hathor_and_Seth_NavCam">http://www.esa.int/spaceinimages/Images/2015/05/Hathor_and_Seth_NavCam</a>   |  |   |

|     |   |            |  |
|-----|---|------------|--|
|     |   |            | ESA: Space in images   |
| 61. | <a href="http://www.esa.int/spaceinvideos/Videos/2015/03/Europe_s_solar_eclipse_seen_from_Proba-2">http://www.esa.int/spaceinvideos/Videos/2015/03/Europe_s_solar_eclipse_seen_from_Proba-2</a>                                     |            | ESA: Space in videos (über 2500 Videos)  |
| 62. | <a href="http://mattias.malmer.nu/2014/11/civa-depth-cues/comet_depth_cues/">http://mattias.malmer.nu/2014/11/civa-depth-cues/comet_depth_cues/</a>   |            | Bild ESA: Entfernungsdundst eingefügt:   |
| 63. | <a href="http://www.esa.int/spaceinimages/Images/2014/11/ROLIS_descent_image">http://www.esa.int/spaceinimages/Images/2014/11/ROLIS_descent_image</a>   |            | ESA Rosetta: The image shows comet 67P/CG acquired by the ROLIS instrument on the Philae lander during descent on Nov 12, 2014 14:38:41 UT from a distance of approximately 3 km from the surface. The landing site is imaged with a resolution of about 3m per pixel. |
| 64. | <a href="http://www.satw.ch/publikationen/satw_news/archiv/bulletin_06_4.pdf">http://www.satw.ch/publikationen/satw_news/archiv/bulletin_06_4.pdf</a>   |            | page 20: about philaes camera  |
| 65. | <a href="http://www.esa.int/spaceinimages/Images/2014/11/OSIRIS_spots_Philae_drifting_across_the_comet">http://www.esa.int/spaceinimages/Images/2014/11/OSIRIS_spots_Philae_drifting_across_the_comet</a>                           |            | OSIRIS spots Philae drifting across the comet  |
| 66. | <a href="http://youtu.be/WF3anN_A1mw">http://youtu.be/WF3anN_A1mw</a>   |            | Philae Second Touchdown Reconstruction Simulation  |
| 67. | <a href="http://www.esa.int/spaceinimages/Images/2015/01/Comet_regional_maps">http://www.esa.int/spaceinimages/Images/2015/01/Comet_regional_maps</a>   |            | The 19 regions identified on Comet 67P/Churyumov–Gerasimenko are separated by distinct geomorphological boundaries. Following the ancient Egyptian theme of the Rosetta mission, they are named for Egyptian deities.  |
| 68. | <a href="http://www.nasa.gov/content/goddard/on-earth-day-show-nasa-how-there-s-noplacelikehome">http://www.nasa.gov/content/goddard/on-earth-day-show-nasa-how-there-s-noplacelikehome</a>   |            | lots of wonderful resources: NASA No place like home   |
| 69. | <a href="http://www.nasa.gov/content/goddard/earth-from-space-15-amazing-things-in-15-years">http://www.nasa.gov/content/goddard/earth-from-space-15-amazing-things-in-15-years</a>   |            | Earth From Space: 15 Amazing Things in 15 Years  |
| 70. | <a href="http://www.nasa.gov/content/goddard/the-trmm-rainfall-mission-comes-to-an-end-after-17-years">http://www.nasa.gov/content/goddard/the-trmm-rainfall-mission-comes-to-an-end-after-17-years</a>                             |            | The TRMM Rainfall Mission Comes to an End after 17 Years   |
| 71. | <a href="http://svs.gsfc.nasa.gov/Gallery/GPM.html">http://svs.gsfc.nasa.gov/Gallery/GPM.html</a>   |            | GPM resources, videos and more   |
| 72. | <a href="http://www.spaceflightinsider.com/missions/solar-system/will-asteroid-2012-tc4-hit-earth-in-october-2017/">http://www.spaceflightinsider.com/missions/solar-system/will-asteroid-2012-tc4-hit-earth-in-october-2017/</a>   |            | Will asteroid 2012 TC4 hit Earth in October 2017?  |
| 73. | <a href="https://www.youtube.com/embed/ILNC7ldyWVU?enablejsapi=1&amp;rel=0">https://www.youtube.com/embed/ILNC7ldyWVU?enablejsapi=1&amp;rel=0</a>   |            | first GPM worldwide precipitation video  |
| 74. | <a href="http://www.youtube.com/watch?v=5b7u6stKgfs">http://www.youtube.com/watch?v=5b7u6stKgfs</a>   |            | Rosetta mission: Chasing a comet   |
| 75. | <a href="http://www.youtube.com/watch?v=MgFyU2Ctzis">http://www.youtube.com/watch?v=MgFyU2Ctzis</a>   |            | Rosetta: Mission ins Ungewisse   |
| 76. | <a href="http://www.youtube.com/watch?v=jGPZtsan1lw">http://www.youtube.com/watch?v=jGPZtsan1lw</a>   |            | Der Kometenlander Philae   |
| 77. | <a href="http://www.esa.int/spaceinvideos/Videos/2014/11/Once_upon_a_time_preparing_for_comet_landing/%28lang%29/en">http://www.esa.int/spaceinvideos/Videos/2014/11/Once_upon_a_time_preparing_for_comet_landing/%28lang%29/en</a> |            | Rosetta: Preparing for comet landing   |
| 78. | <a href="http://www.esa.int/spaceinvideos/Videos/2014/11/Once_upon_a_time_preparing_for_comet_landing/%28lang%29/de">http://www.esa.int/spaceinvideos/Videos/2014/11/Once_upon_a_time_preparing_for_comet_landing/%28lang%29/de</a> |            | Rosetta: Vorbereitung der Landung  |
| 79. | <a href="http://climate.nasa.gov/state_of_flux#Holuhraun_930x463.jpg">http://climate.nasa.gov/state_of_flux#Holuhraun_930x463.jpg</a>   |            | iceland + great picture collection about changes over time on earth  |
| 80. | <a href="http://climate.nasa.gov/state_of_flux#Aral_Sea_930x463.jpg">http://climate.nasa.gov/state_of_flux#Aral_Sea_930x463.jpg</a>   |            | lake aral  |
| 81. | <a href="https://mediathekview.de/download/">https://mediathekview.de/download/</a>   | Lehrperson | Kurzbeschreibung von MediathekView<br>Das Programm MediathekView (abgekürzt: MV) ist eine Art Suchmaschine für Filme der Mediatheken verschiedener öffentlich-   |

|     |  |  |  |
|-----|--|--|--|
|     |  |  | rechtlicher Sender (3sat, ARD, arte.de, arte.fr, BR, hr, KiKA, mdr, NDR, ORF, phönix, rbb, SR, SRF, SWR, WDR, ZDF, ZDFtivi). MediathekView erlaubt es, sowohl Beiträge aus den Mediatheken direkt (mit VLC Media Player oder mit einem Programm eigener Wahl) abzuspielen oder herunterzuladen als auch Sendereien/Serien zu abonnieren. MediathekView kann nur Sendungen herunterladen, die in den Mediatheken der Sender selbst noch als Videos angeboten werden.  |
| 82. | <a href="https://sternwarte-recklinghausen.de/interaktiv/bastelboegen/">https://sternwarte-recklinghausen.de/interaktiv/bastelboegen/</a>  |  | Astronomische Bastelbögen für den Schulunterricht und Zuhause  |
| 83. | <a href="https://www.youtube.com/watch?v=gfCc7ZJHiM&amp;list=PLKSi40WEKtMxykDBP8_vrC6bKXotys8KJ">https://www.youtube.com/watch?v=gfCc7ZJHiM&amp;list=PLKSi40WEKtMxykDBP8_vrC6bKXotys8KJ</a>  |  | Cosmos by Carl Sagan<br>Über die Erforschung des Kosmos – faszinierende Filmserie über eine aufregende Zeit neuer Erkenntnisse   |
| 84. | <a href="https://www.youtube.com/watch?v=Y2cNA7WuaQU">https://www.youtube.com/watch?v=Y2cNA7WuaQU</a>  |  | Neil deGrasse Tyson´s Cosmos 2014 Official Trailer Fox<br>Aktualisierte neue Version von Carl Sagans Cosmos:<br>Diese sehr interessante schülergerechte Sendung gibt es auch auf Deutsch (kam bei Arte, habe sie auf DVD, falls jemand interessiert)   |
| 85. | <a href="https://www.youtube.com/watch?v=GO5FwsblpT8">https://www.youtube.com/watch?v=GO5FwsblpT8</a>  |  | Pale Blue Dot by Carl Sagan<br>Denkwürdige Aussage über die Einmaligkeit unseres Planeten<br>Die ersten zwei Kommentare genügen:<br>1) „Brings me to tears every time“<br>2) “This should be a mandatory movie for every student of primary school. This alone would make our world a better place.”   |
| 86. | <a href="https://www.dlr.de/next/desktopdefault.aspx/tabid-9153/">https://www.dlr.de/next/desktopdefault.aspx/tabid-9153/</a><br><a href="https://www.dlr.de/rd/desktopdefault.aspx/tabid-9784/16787_read-40745/lang-1">https://www.dlr.de/rd/desktopdefault.aspx/tabid-9784/16787_read-40745/lang-1</a> |  | Unterrichtsmaterialien vom dlr<br>Die Reporterbande entdeckt...  |
| 87. | <a href="https://ars.electronica.art/esero/classroom-resources/">https://ars.electronica.art/esero/classroom-resources/</a><br><a href="http://www.esa.int/Education/Unterrichtsheft">http://www.esa.int/Education/Unterrichtsheft</a>   |  | Unterrichtsmaterialien esa   |
| 88. | <a href="http://www.esa.int/esaKIDSde/index.html">http://www.esa.int/esaKIDSde/index.html</a>  |  | esa-kids   |
| 89. | <a href="http://www.astronomiekoffer.com/">http://www.astronomiekoffer.com/</a>  |  | Unser Interesse ist es, junge Menschen für die Astronomie zu begeistern und entsprechende Inhalte in Kindergärten und Grundschulen hineinzutragen. Zu diesem Zweck möchten wir Ihnen auf unseren Seiten kostenlos und unverbindlich Material zum Herunterladen zur Verfügung stellen, mit dessen Hilfe Sie Ihre eigenen Astronomieeinheiten zusammenstellen können.  |
| 90. | <a href="https://apod.nasa.gov/apod/astropix.html">https://apod.nasa.gov/apod/astropix.html</a><br><a href="https://apod.nasa.gov/apod/archivepix.html">https://apod.nasa.gov/apod/archivepix.html</a>   |  | Astronomy Picture of the Day<br>Discover the cosmos! Each day a different image or photograph of our fascinating universe is featured, along with a brief explanation written by a professional astronomer.  |
| 91. | <a href="https://findstarlink.com/">https://findstarlink.com/</a>  |  | Starlink ist ein vom US-Raumfahrtunternehmen SpaceX unter Elon Musk und Gwynne Shotwell geplantes weltumspannendes Satellitennetzwerk, das ab Ende 2020 Internetzugang in Nordamerika bieten soll, 2021 dann fast weltweit. Mittlerweile befinden sich mehr als 650 Starlink-Satelliten im Erdorbit, womit SpaceX der weltweit größte kommerzielle Satellitenbetreiber ist. Insgesamt bestehen bis zum Jahr 2027 befristete Genehmigungen für den Start von maximal 11.927 Satelliten sowie Anträge von SpaceX für nochmals bis zu 30.000 Satelliten. Das entspricht zusammengenommen dem fünffachen aller von 1957 (Sputnik 1) bis 2019 gestarteten Satelliten. (wikipedia) |
| 92. | <a href="https://www.youtube.com/watch?v=ts0Ek3nLHew&amp;feature=emb_rel_end">https://www.youtube.com/watch?v=ts0Ek3nLHew&amp;feature=emb_rel_end</a>  |  |  |

|      |  |  |
|------|--|--|
|      | <a href="https://www.youtube.com/watch?v=Yh1_wHdUx3Y">https://www.youtube.com/watch?v=Yh1_wHdUx3Y</a>  | Komet Neowise im Juli 2020   |
| 93.  | <a href="https://mars.nasa.gov/insight/">https://mars.nasa.gov/insight/</a>  | NASA Mars Mission  |
| 94.  | <a href="https://raumschiff.org/">https://raumschiff.org/</a>  | Das Raumschiff ist ein Ort für Kinder und Erwachsene, die vom Universum fasziniert sind. Jeden Samstag kann man in der offenen Werkstatt tüfteln, den Weltraum in Virtual Reality erleben oder brennende Fragen von schwarzen Löchern bis zu ausserirdischem Leben diskutieren. Kommen Sie einmal unverbindlich vorbei!<br>Raumschiff – Werkstatt für Astronomie, Am Wasser 4, 8600 Dübendorf, captain (at) raumschiff.org |
| 95.  | <a href="https://worldview.earthdata.nasa.gov/">https://worldview.earthdata.nasa.gov/</a>  | Visually explore the past and the present of this dynamic planet from a satellite's perspective. Select from an array of stories below to learn more about Worldview, the satellite imagery we provide and events occurring around the world.  |
| 96.  | <a href="https://openaltimetry.org/data/icesat2/">https://openaltimetry.org/data/icesat2/</a>  | Höhenmessungsdaten des neuen Eis-Mess-Satelliten IceSat2   |
| 97.  | <a href="https://icesat-2.gsfc.nasa.gov/">https://icesat-2.gsfc.nasa.gov/</a>  | Homepage von IceSat2   |
| 98.  | <a href="https://www.globe.gov/de/web/trees-around-the-globe/overview">https://www.globe.gov/de/web/trees-around-the-globe/overview</a>  | IceSat2-Mission bei GLOBE: Trees around the globe  |
| 99.  | <a href="http://www.seasonsandbiomes.net">http://www.seasonsandbiomes.net</a><br><a href="http://www.seasonsandbiomes.net/112pictures.php">http://www.seasonsandbiomes.net/112pictures.php</a> | Meine Homepage zu Phänologie und Jahreszeiten<br>Link zur Photosammlung „Jahreszeiten in meinem Lebensraum“<br>SIMB (Seasons in my biome)  |
| 100. | <a href="http://www.seasonsandbiomes.net/dld/LinksRaumschiffErde.pdf">http://www.seasonsandbiomes.net/dld/LinksRaumschiffErde.pdf</a>  | Diese Linkliste online (auf der Homepage „Links + Downloads“ anklicken und dort „Links Spaceship Earth“)   |