







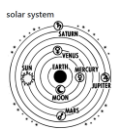

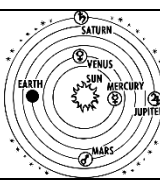


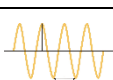

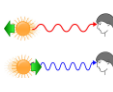



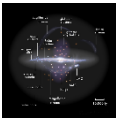

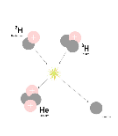

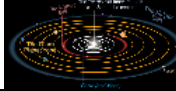


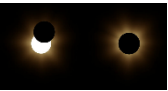

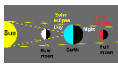



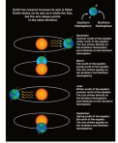
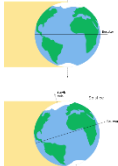

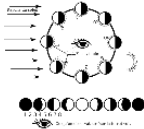



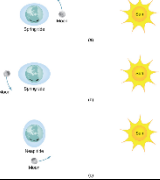
















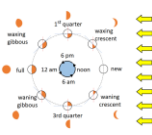



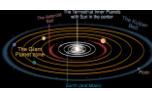



DU 10. IMAGES					
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	Figure 10.5	Heliocentric model	Clon	https://openclipart.org/detail/259478/earth-system	 CC 0 1.0
	Figure 10.6	BIGBANG	geralt /	https://pixabay.com/es/photos/astrom%C3%ADa-explosi%C3%B3n-big-bang-pop-3101253/	Pixabay License Gratis para usos comerciales No es necesario reconocimiento
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	Figure 10.9	Milky Way	Pablo Carlos Budassi	https://commons.wikimedia.org/wiki/File:Milky_way.png	 CC BY-SA 4.0



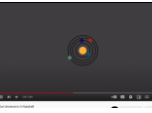



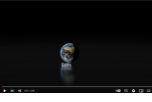
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	Figure 10.12	10solarsystem	NASA (Source)	https://www.rawpixel.com/image/439884/free-photo-image-nasa-solar-system-galaxy	Public Domain U.S. Government Image
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	Figure 10.17	10partiallunareclipse	Steve Ryan	https://commons.wikimedia.org/wiki/File:Velo_Steve_-_Partial_Lunar_Eclipse_(by-sa).jpg	 CC BY-SA 2.0
	Figure 10.18	10seasonsbynasa	NASA Space place	https://spaceplace.nasa.gov/seasons/en/#:~:text=The%20Short%20Answer%3A,winter%20in%20the%20Northern%20Hemisphere.	Seasons by NASA Space Place is public domain
	Figure 10.19	10solsticeequinox	Maxmath12	https://commons.wikimedia.org/wiki/File:Solstice_equinox_sun_position.svg	 CC0 1.0
	Figure 10.20	10phasesofthemoon	OpenClipart	https://freessvg.org/phases-lunes	 Public Domain

	Figure 10.21	10tides moon sun	Gillet, J. A. (Joseph Anthony), 1837-1908 Rolfe, W. J. (William James), 1827-1910	https://www.flickr.com/photos/internetarchivebookimages/14741152766/	 CC0 1.0
	Figure 10.22	10spring neap tides	OpenStax University Physics	https://commons.wikimedia.org/wiki/File:CNX_UPhysics_13_06_MoreTides.png	 CC BY 4.0
	Figure 10.23	10gravity astronaut	Ofjd125gk87	https://pixabay.com/es/illustrations/astronauta-los-viajes-espaciales-1390007/	Pixabay License Gratis para usos comerciales No es necesario reconocimiento
	Figure 10.24	10College physics falling objects 10image free fall	College Physics by OS CRice University	https://opentextbc.ca/openstaxcollegephysics/chapter/falling-objects/	 CC BY 4.0
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	Figure 10.26	10location of earth	Andrew Z. Colvin	https://commons.wikimedia.org/wiki/File:Location of Earth (9x1-English Annot).jpg	 CC BY-SA 4.0
	Figure 10.27	10big bang diagram	ESO/NAOJ	https://www.eso.org/public/images/eso1620a/	 CC BY 4.0
	Figure 10.28	10galaxy types		https://pxhere.com/en/photo/1262231	 CC0
	Figure 10.29	10star types	The Hertzsprung Russell Diagram	https://commons.wikimedia.org/wiki/File:Hertzsprung-Russell_StarData af.jpg#/media/File:H-R diagram - edited-3.gif	 CC BY-SA 2.5
	Figure 10.30	10solstices and equinoxes	8827rajneesh	https://pixabay.com/es/photos/la-revoluci%C3%B3n-de-la-tierra-5144724/	Pixabay License Gratis para usos comerciales No es necesario reconocimiento

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	Figure 10.32	10moonpha ses1	Guy vandegrift	https://commons.wikimedia.org/wiki/File:Phases_of_the_moon.gif	 CC BY-SA 3.0
	Figure 10.33	10hubble universe	NASA, ESA, H. Teplitz and M. Rafelski (https://commons.wikimedia.org/wiki/File:Hubble%E2%80%99s_colourful_view_of_the_Universe.jpg	 CC BY 4.0
	Figure 10.34	10the solar system	Rursus	https://commons.wikimedia.org/wiki/File:Solarsys.svg	 CC BY-SA 3.0

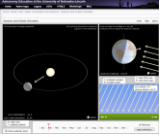
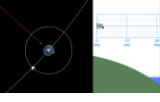



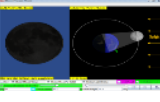








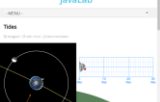





DU 10. VIDEO






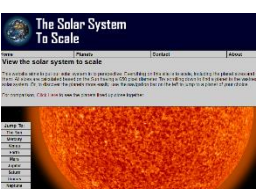

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	Video 10.1	10video we are star dust	Jp Pickering	https://www.youtube.com/watch?v=StA1hRNgnrM	Creative Commons Attribution licence (reuse allowed)
	Video 10.2	10video paleblue dot	Carl Sagan. Idea Sense	https://www.youtube.com/watch?v=O1CzAc1YZdM	Creative Commons Attribution licence (reuse allowed)
	Video 10.3	10video the universe in a nutshell	The ScienceVerse	https://www.youtube.com/watch?v=kfrdc-zXcXI	Creative Commons Attribution licence (reuse allowed)
	Video 10.4	10video big bang	OER Project	https://www.youtube.com/watch?v=XkD1RPDYWK8	Creative Commons Attribution licence (reuse allowed)
	Video 10.5	10video doppler 2	David Butler	https://www.youtube.com/watch?v=Ksa_Viaevt0	Creative Commons Attribution licence (reuse allowed)
	Video 10.5	10video Origin of the solar system	Amazing Science Nasa Kids	https://www.youtube.com/watch?v=nOnodQRXclw	Licencia Atribución de Creative Commons (reutilización permitida)
	Video 10.6	10 video The scales of the stars	European Southern Observatory (ESO)	https://www.youtube.com/watch?v=Hxn9OBH4hWY	Licencia Atribución de Creative Commons (reutilización permitida)

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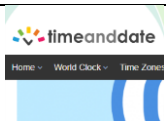
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	Video 10.8	10video the solar system2	FuseSchool - Global Education	https://www.youtube.com/watch?v=FUWju9HFB	Licencia Atribución de Creative Commons (reutilización permitida)
	Video 10.9	10 video planet movement animation	Michal4767	https://www.youtube.com/watch?v=gySUPFzp7Yo	Licencia Atribución de Creative Commons (reutilización permitida)
	Video 10.10	10 video planets of the solar sistem tilts and axis	Images Credit: NASA; Animation: James O'Donoghue (JAXA)	https://www.youtube.com/watch?v=gxF2xEkYL04	Licencia Atribución de Creative Commons (reutilización permitida)
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	Video 10.12	10 video lunar eclipse	SamsStudy	https://www.youtube.com/watch?v=MZHhkbh6t-U	Licencia Atribución de Creative Commons (reutilización permitida)
	Video 10.13	10 video selected solar syatem objects size rotation axial tilt	Dr James O'Donoghue	https://www.youtube.com/watch?v=T1MrJvcIlpY	Licencia Atribución de Creative Commons (reutilización permitida)
	Video 10.14	10 video seasons	Earth Rocks!	https://www.youtube.com/watch?v=tX3Y5bzNDIU	Licencia Atribución de Creative Commons (reutilización permitida) CC SA 3.0
	Video 10.14	10 video how earth looks from the moon	Dr James O'Donoghue	https://www.youtube.com/watch?v=eV1ZXm3MH6I	Licencia Atribución de Creative Commons (reutilización permitida)
	Video 10.15	10 video isl kids vocabulary solar system planets	ISLcollective	https://en.islcollective.com/video-lessons/solar-system-planets-1	 CC BY NC

DU 10. SIMULATIONS







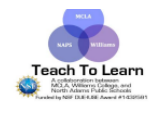



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	10sim Seasons and ecliptic simulator	Astronomy Education at the University of Nebraska-Lincoln	https://astro.unl.edu/naap/motion1/animations/seasons_ecliptic.html	Permission is granted to use this file for non commercial purposes as long as it remains unmodified
	10sim tides simulator	By Javalab	https://javalab.org/en/tides_en/	 CC BY-SA
	10sim doppler effect	Walter Fendt , February 25, 1998	https://www.walter-fendt.de/html5/phen/dopplereffect_en.htm	 CC BY-NC-SA 4.0
	10sim Moon phases	Todd Timberlake; lookang	https://iwant2study.org/lookangejss/02_newtonian_mechanics_7gravity/ejss_model_MoonPhases/	 CC BY NC SA
	10 sim Solar sistem model	Solar System Scope	https://www.solarsystemscope.com/	Free Sharing
	10sim Daylight map	By Javalab	https://javalab.org/en/daylight_map_en/	 CC BY-SA
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DU 10. WEB RESOURCES / ACTIVITIES			
	10 Nasa Space Place	NASA Space Place	https://spaceplace.nasa.gov/
	10 Freekidsbooks	Free Kids Books	https://freekidsbooks.org/solar-system-wiki-junior-books/
	10 Solar system BHP	BIG HISTORY PROJECT. Our Solar System and Earth	https://www.bighistoryproject.com/chapters/2#intro
	10 Moon Phases	MoonPhases.co.uk	https://moonphases.co.uk/
	10 Planet rotations	Science On a Sphere SOS	https://sos.noaa.gov/catalog/datasets/planet-rotations/
	10 the solar system to scale	The Solar System To Scale	http://www.scalesolarsystem.66ghz.com/index.html
	10 nasa solar system	NASA SCIENCE Solar System Exploration	https://solarsystem.nasa.gov/













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	10 project scale modelo f the solar system	Education.com	https://www.education.com/science-fair/article/scale-model-planets-solar-system/
	10 timeand date link	timeanddate	https://www.timeanddate.com/worldclock/sunearth.html

DU 10. TEXTBOOKS / LESSONS/ARTICLES

	10 planets stars universe	PennState College of Earth and Mineral Sciences Lesson 10. Planets, stars, galaxies and the Universe	https://www.e-education.psu.edu/astro801/content/l10.html https://www.e-education.psu.edu/astro801/	 CC BY NC SA
	10 Earth Science Open Educational Resource (OER) textbook	Utah Education Network,	https://freekidsbooks.org/earth-science-open-educational-resource/	 CC-BY-NC.
	10 OER textbook arth & Space Science	Bruce Jones at Mesa Public Schools:	https://www.mpsaz.org/ssrc/science/secondary/oer/files/1-earth_science_oer.pdf	 CC BY NC SA
	Lesson Plan The earth's place in the universe. Earth and Space Science /Grade 5	Lisa Marceau, Connor Mulhall, Lindsay Osterhoudt, Michael Smith Teach to Learn's Attribution © 2016 Teach to Learn . All rights reserved.	https://learning-in-action.williams.edu/education-outreach/files/2018/05/Grade_5_EarthsPlaceInTheUniverse_S16_v4.2.pdf	 CC BY NC SA 3.0
	Curious Kids: how long has gravity existed?	The conversation Brooke Simmons	https://theconversation.com/curious-kids-how-long-has-gravity-existed-117538	 CC BY-ND

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		Lecturer in Astrophysics, Lancaster University Publicado: 28 mayo 2019 13:10 CEST		
	Text book Elementary Earth and Space Science Methods	Ted Neal, University of Iowa Copyright Year: 2019 Publisher: University of Iowa	https://pressbooks.uiowa.edu/methodsii/	 CC BY NC SA 4.0
	Opentext ocean tides and the moon lesson	Bcampus Open Publishing	https://opentextbc.ca/astronomyopenstax/chapter/ocean-tides-and-the-moon/	 CC BY 4.0
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	Powerpoint The universe	Eleanor's Shop tes	https://www.tes.com/teaching-resource/the-universe-p16-aqa-12260802	 CC BY-SA