

SEZNAM VIDEÍ

1. hodina – Údiv

Solar System – Planets Movement

<https://www.youtube.com/watch?v=gvSUPFZp7Yo>

Gravity visualized

<https://www.youtube.com/watch?v=MTY1Kje0yLg&t=315s>

Retrograde Motion of Planets Explained

<https://www.youtube.com/watch?v=TK9ozJYELR8>

2. hodina – Nový kamarád a stavba raketoplánu

A Travel through the Solar System HD

<https://www.youtube.com/watch?v=vI2ZsIw0iWU>

Space Shuttle Launch Audio - play LOUD (no music) HD 1080p

<https://www.youtube.com/watch?v=OnoNITE-CLc>

(1:20 start)

Space Shuttle STS-122 Atlantis Space Station Assembly ISS-1E Columbus Lab 2008

<https://www.youtube.com/watch?v=8akgPBjK-L-Y>

(4:45, 7:08, 15:07)

Start raketoplánu (experiment)

<https://www.youtube.com/watch?v=N6NIgPIh7HU>

Formation of the Solar System

<https://www.youtube.com/watch?v=IRZYMimUET8>

3. hodina – Mart'ánkova záhadná otázka

Formation of the Solar System

<https://www.youtube.com/watch?v=IRZYMimUET8>

Crab Supernova Explosion [1080p]

<https://www.youtube.com/watch?v=aysiMbgml5g>

A Star is Born

<https://www.youtube.com/watch?v=MGalnuFS2O0>

(0:25 začátek)

Formation of the Earth

<https://www.youtube.com/watch?v=NEFLbXtDF4c>

4. hodina – Měsíc

How the Moon Was Born

<https://www.youtube.com/watch?v=dPJG5oVjvME>

(1:40)

Encyklopedie - Fáze měsíce

<https://www.youtube.com/watch?v=icCGvR2LaSI>

Moon Phases Demonstration

<https://www.youtube.com/watch?v=wz01pTvuMa0>

Simple Moon Phase viewer (výrobek)

https://www.youtube.com/watch?v=8IQsU_YqIWQ

Apollo 11 Launch

<https://www.youtube.com/watch?v=4cOhZy7dhTo>

First Moon Landing 1969

<https://www.youtube.com/watch?v=RMINSD7MmT4>

5. hodina – Výlet za Sluníčkem do muzea

Crab Supernova Explosion [1080p]

<https://www.youtube.com/watch?v=aysiMbgml5g>

How the sun will die : and what happens to earth?

<https://www.youtube.com/watch?v=iauIP8swfBY>

Milk and Soap Trick! - Science Experiment

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

6. hodina – Hvězdy jako kuchařky

The Life Cycle of Stars

<https://www.youtube.com/watch?v=PM9CQDIQI0A>

7. hodina – Proč máme den a noc?

The sun travelling across the sky

<https://www.youtube.com/watch?v=UN2RDobXhbg>

Earth Spin Animation | silent | 1 hr. | 1080p

<https://www.youtube.com/watch?v=QI9ta7qkazU>

8. hodina – Proč se mění roční období?

Earth's Tilt 1: The Reason for the Seasons

<https://www.youtube.com/watch?v=Pgq0LThW7QA>

Seasons and the Sun: Crash Course Kids 11.1 (pouze informační pro vás)

<https://www.youtube.com/watch?v=b25g4nZTHvM>

9. hodina – Záhadná příroda a experimenty se světlem

Experiment – Změna směru šipky při naplnění skleničky

https://www.youtube.com/watch?v=Xr_HsglFoFk

How to make a homemade sundial (výrobek)

<https://www.youtube.com/watch?v=CsaV90smywQ>

10. hodina – Co je to duha?

Encyklopedie - Duha

<https://www.youtube.com/watch?v=bG5dCUXUHsc>

11. hodina – Co je tedy světlo?

How is a Rainbow Formed ? Science Experiment

<https://www.youtube.com/watch?v=vXccpwytl8>

Dr Quantum - Double Slit Experiment

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

12. hodina – Proč vidíme barvy?

13. hodina – Cesta k počátku vesmíru – 1. část

Sounds of the Sun (NASA)

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

NASA | Thermonuclear Art – The Sun In Ultra-HD (4K)

https://www.youtube.com/watch?v=6tmbeLTHC_0

Sound Waves and Organ Pipes

<https://www.youtube.com/watch?v=tOJxVYfp4tQ>

California Trains! 1 Hour, 150+ Trains!

https://www.youtube.com/watch?v=xVMsAgHy_IY

(3:00 nej)

Dopplerův jev

<https://www.youtube.com/watch?v=ABrqErYmuwc&t=127s>

Doppler Effect Animated Examples

https://www.youtube.com/watch?v=eo_owZ2UK7E

14. hodina – Cesta k počátku vesmíru – 2. část

Galaxy fly through

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

15. hodina – Cesta k počátku vesmíru – 3. část

Hubble's Law

<https://www.youtube.com/watch?v=e6G2Z6iD-9M>

Milky Way Galaxy Formation - 2011 Simulation

https://www.youtube.com/watch?v=MncUDWhPB_E

Computer Simulation Visualizes History of the Universe

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

What Could a Multiverse Look Like

<https://www.youtube.com/watch?v=Zxcj1f78dX4>

16. hodina – Silvestrovská noc

Solar System Video

<https://www.youtube.com/watch?v=z8aBZZnv6y8>

How to do Fireworks in a jar science experiment

<https://www.youtube.com/watch?v=JgNOuNh0Okg>

FILM CANISTER ROCKET Easy Kids Science Experiments

<https://www.youtube.com/watch?v=SxZuQQ1Rdxg>

17. hodina – Kde bydlíme a co všechno v tom velkém vesmíru najdeme

A Travel through the Solar System HD

<https://www.youtube.com/watch?v=vI2ZsIw0iWU>

Andromeda/Milky Way collision (simulation)

<https://www.youtube.com/watch?v=PrIk6dKcdoU>

Milky Way Versus Andromeda As Seen from Earth

<https://www.youtube.com/watch?v=qnYCpOyRp-4&t=74s>

(pohled ze Země – 3:01)

Interstellar Gargantua Remake - VFX BREAKDOWN

https://www.youtube.com/watch?v=Hn_loFgGbEE

(0:30)

Earth Compared To The Rest Of The Universe

<https://www.youtube.com/watch?v=1Eh5BpSnBBw>

18. hodina – Do hlubin vesmíru po stopách mimozemšťanů

Velikost vesmíru

<https://www.youtube.com/watch?v=w4ra-M6Rwfg>

19. hodina – Vesmírný vzkaz v lahvi

Andromeda/Milky Way collision (simulation)

<https://www.youtube.com/watch?v=PrIk6dKcdoU>

Space Shuttle Launch Audio - play LOUD (no music) HD 1080p

<https://www.youtube.com/watch?v=OnoNITE-CLc>

20. hodina – Komety

Oortův oblak | Eduard Šubert

<https://www.youtube.com/watch?v=BeRFUstzG0o>

Kuiperův pás | Eduard Šubert

<https://www.youtube.com/watch?v=8nF4yFgA4rQ>

Comet Craft – výroba komety

<https://www.youtube.com/watch?v=gqFb19whY08>

Rosetta's journey

<https://www.youtube.com/watch?v=liEjQSNUiG4>

Rosetta's last images from Comet 67P/Churyumov–Gerasimenko

<https://www.youtube.com/watch?v=bJgsoHdP9Fk>

Comet Hale-Bopp 1997

<https://www.youtube.com/watch?v=f2mPIWMpS4U>

Top Ten comets of all time

<https://www.youtube.com/watch?v=XcEq9O94tLo>