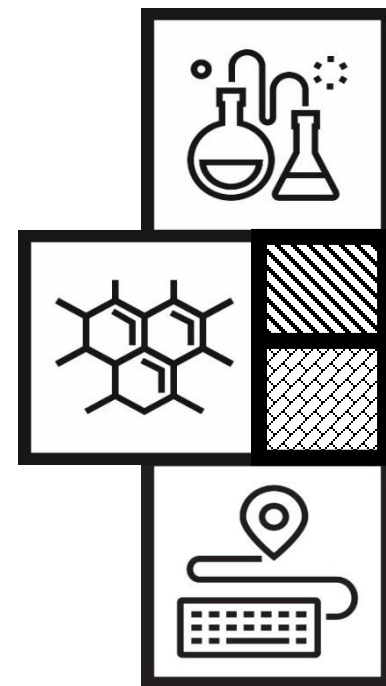


Projekty na portálu Scientix

Vladimíra Pavlicová

Dům zahraniční spolupráce



Scientix

- › Databáze 600+ STEM projektů
- › Vyhledejte na portálu Scientix projekty zaměřené na astronomii
 - » Space Awareness



SCIENTIX

Komunita pro přírodovědné vzdělávání v Evropě



čeština ▾

Přihlašte se

Vyhledat



HLAVNÍ STRÁNKA

SCIENTIX LIVE

KOMUNITA

AKCE

PROJEKTY

KONFERENCE

NOVINKY

MATERIÁLY

O PROJEKTU

HLAVNÍ STRÁNKA > PROJEKTY

PROJEKTY



Filtrovat podle

Zobrazit vše

Země ▾

Téma ▾

Cílová skupina ▾

Astronomie x

Finanční podpora ▾

Začátek po ▾

Konec před ▾

Projekty se zájmem dalších učitelů

Probíhající projekty

POUŽÍT FILTR

Ve vaší zemi

Sekce „Vědecká pozorovatelná“

Platforma Scientix Moodle

Webináře projektu Scientix

Blog projektu Scientix

If you know of European or national project in STEM education, please let us

Projekt Space Awareness

SPACE
awareness

SPACE AWARENESS

16/02/2016

The project strives to inform children and young adults about current research and issues related to space sciences, the numerous career opportunities offered by space, and to show them that space science can be fun and inspiring.

[Přečtěte si víc.....](#)

[HLAVNÍ STRÁNKA](#) > [PROJEKTY](#) > Space Awareness

SPACE AWARENESS

Share this project



ZÁKLADNÍ INFORMACE

INFORMACE O VÝSLEDČÍCH
VÝZKUMU

INFORMACE PRO UČITELE

SPACE
awareness

The project strives to inform children and young adults about current research and issues related to space sciences, the numerous career opportunities offered by space, and to show them that space science can be fun and inspiring.

The main aims of the project are to:

1. Stimulate the next generation of space-oriented scientists
2. Broaden children's minds, develop a sense of European and global citizenship and foster tolerance for diverse culture.
3. Build long-term partnerships between people from different cultural backgrounds and countries inside and outside of Europe.
4. Help build the scientific and technological capacity of developing countries.

The project strives to inform children and young adults about current research and issues related to space sciences and the numerous career opportunities offered by space, and to show them that space science can be fun and inspiring. Educators can benefit immensely from the project by taking advantage of the wide array of free high-quality resources that are easily adaptable to different disciplines and countries.

Téma: Kosmonautika, Astronomie, Vědy o zemi, Ekologie, Nauka o materiálech, Fyzika, Vzdělávání

Rok zahájení: 2015

Závěrečný rok: 2018

URL: <http://www.space-awareness.org>

Kontaktní osoba: Teodora Ioan, Email: euspaceawe@eun.org

Projekt Space Awareness

- › Zapojte se ... občanská věda
 - » Galaxy Zoo – klasifikace galaxií dle návodu
 - » <https://www.zooniverse.org/projects/zookeeper/galaxy-zoo/>

o | www.space-awareness.org/cs/games/

NOVINKY

PROFESE

PŘEČTĚTE SI

ZAPOJTE SE

SPACE
awareness

VZDĚLÁVEJTE

ROZVÍJEJTE

SEZNAMTE SE S NÁMI

HRAJTE A ZAPOJTE SE
APLIKACE A PROJEKTY ZAMĚŘENÉ NA VÝZKUM VESMÍRU

Projekt Space Awareness

- › Rozvíjejte ... své pedagogické dovednosti
 - » Masivní otevřené online kurzy pro učitele
 - » <https://www.europeanschoolnetacademy.eu>

www.space-awareness.org/cs/skills/#mooc-1-more

NOVINKY

PROFESE

PŘEČTĚTE SI

ZAPOJTE SE

SPACE
awareness

VZDĚLÁVEJTE

ROZVÍJEJTE

SEZNAMTE SE S NÁMI

ROZVÍJEJTE SVÉ PEDAGOGICKÉ DOVEDNOSTI
VESMÍR VE VZDĚLÁNÍ

Projekt Space Awareness

- › Vzdělávejte ... pracovní listy, metodiky
 - » Kategorie Our wonderful Universe
 - » History of the Universe

www.space-awareness.org/cs/activities/

NOVINKY

PROFESE

PŘEČTĚTE SI

ZAPOJTE SE

SPACE
awareness

VZDĚLÁVEJTE

ROZVÍJEJTE

SEZNAMTE SE S NÁMI

VZDĚLÁVEJTE A INSPIRUJTE
VZDĚLÁVACÍ AKTIVITY OVĚŘENÉ PEDAGOGY V PRAKTI

VYHLEDÁVÁNÍ PODLE KATEGORIÍ

Všechny



Our wonderful
Universe



Our fragile
planet



Navigation
through the
ages



The journey of
ideas

Historie vesmíru

Good to know

According to the Big Bang theory, the universe was "born" around 13.7 billion years ago (however, in the remainder of this exercise we will say that it was born 15 billion years ago, for ease of calculation). After this, the universe developed, the galaxies (including our own, the Milky Way) were formed, the Sun was born, and the Earth took shape. The various geological eras passed, and life as we know it today evolved from the first living organisms. On the timeline the students will be making, the Big Bang took place at 00.00 on 1 January. Earth was born in September, and the first humans appeared on 31 December at 23.57.

Time on timeline	Time in reality	Event
	15 billion years ago	beginning of the universe
	12 – 14.7 billion years ago	birth of solar systems
	5 billion years ago	birth of Sun and planets
	3.8 billion years ago	emergence of first life forms
	225 million years ago	mammals appear on Earth
	65 million years ago	extinction of dinosaurs, more mammals appear
	5 million years ago	first ancestors of man appear
	195,000 years ago	Homo Sapiens appears
	4300 years ago	building of Stonehenge
	around 400 years ago	invention of the telescope

Historie vesmíru

Good to know

According to the Big Bang theory, the universe was "born" around 13.7 billion years ago (however, in the remainder of this exercise we will say that it was born 15 billion years ago, for ease of calculation). After this, the universe developed, the galaxies (including our own, the Milky Way) were formed, the Sun was born, and the Earth took shape. The various geological eras passed, and life as we know it today evolved from the first living organisms. On the timeline the students will be making, the Big Bang took place at 00.00 on 1 January. Earth was born in September, and the first humans appeared on 31 December at 23.57.

Time on timeline	Time in reality	Event
1 January	15 billion years ago	beginning of the universe
early January – mid-march	12 – 14.7 billion years ago	birth of solar systems
early September	5 billion years ago	birth of Sun and planets
end of September	3.8 billion years ago	emergence of first life forms
25 December	225 million years ago	mammals appear on Earth
29 December	65 million years ago	extinction of dinosaurs, more mammals appear
30 December	5 million years ago	first ancestors of man appear
31 December 23.53.00	195,000 years ago	Homo Sapiens appears
31 December 23.59.52	4300 years ago	building of Stonehenge
31 December 23.59.59	around 400 years ago	invention of the telescope

Další projekty na portálu Scientix

› Projekt Go-Lab

» Různé online laboratoře a simulace

» PhET Simulations

» <https://phet.colorado.edu/>

The screenshot shows the PhET Interactive Simulations website. At the top, there is a dark blue header with the PhET logo (a stylized 'P' with a yellow arrow) and the text 'INTERACTIVE SIMULATIONS'. To the right of the logo is a search bar and the University of Colorado Boulder logo. Below the header, the main content area features the text 'INTERACTIVE SIMULATIONS FOR SCIENCE AND MATH' and a Czech subtitle 'Již jsme přehráli přes 90 miliónů simulací'. There are two prominent buttons: a blue 'Play with Simulations' button and a white 'Teachers Register Here' button. To the right, there is a photo of students in a classroom with a laptop, overlaid with a 'wise awards winner 2017' badge and the text 'WISE Awards Winner'. Below this, there is a grid of links for 'What is PhET?', 'Pro učitele', and 'DONATE TODAY'. The 'DONATE TODAY' button is yellow. Below the grid, there are social media icons for Facebook, Twitter, YouTube, and Pinterest. At the bottom, there are links for 'O PROJEKTU PHET OUR TEAM SPONZOŘI', 'OFFLINE ACCESS HELP CENTER KONTAKT', and 'ZDROJOVÝ KÓD LICENCE PRO PŘEKLADATELE'. A dropdown menu labeled 'Choose One' is also visible. The footer contains logos for the Hewlett Foundation, Google.org, the Gordon and Betty Moore Foundation, and the PhET logo with the text '©2019 University of Colorado. Někteří práva vyhrazena.'

PhET simulace

- › Vyberte si simulaci. Doporučili byste ji ostatním?
 - » Proč ano/ne?
 - » Pro jaký předmět a věk žáků?
 - » Jaký typ aktivity (úvod tématu, opakování, ...)?
 - » CZ nebo EN verze?

Další projekty na portálu Scientix

› GLOBAL EXCURSION

- » Online laboratoře a aplikace
- » např. astronomie, lidské tělo

› Projekt TE-MI

- » Věda a svět kouzel

› LE-MATH

- » Propojení matematiky a divadla

Děkuji za pozornost

Vladimíra Pavlicová | vladimira.pavlicova@dzs.cz

Dům zahraniční spolupráce

