

Darwin Day: Educational Resources On Evolution

Celebrate [International Darwin Day](#) this February as you inspire your learners to investigate evolution, natural selection, and biodiversity with free educational resources.

Educational Resources

Use Clues From Rapid Evolution To Design Better Fish Gills

Discover why and how fish are evolving rapidly in remote mountain lakes. Then use what you learn for an engineering challenge.

<https://www.sciencefriday.com/educational-resources/fish-evolution/>

A New Beak Evolution Lab!

This evolution simulation goes further by modeling reproductive success while giving young engineers an opportunity to flex their skills.

<https://www.sciencefriday.com/educational-resources/a-new-beak-evolution-lab/>

Shell Shocked

Study gastropod shells to understand the evolutionary trade-off between the costs and benefits of building a shell for protection in this resource from Shape of Life

<https://www.sciencefriday.com/educational-resources/shell-shocked/>

Fibonacci Sequence—A Handy Mathematical Approach For Looking At Evolution!

Get a grip on this great way of exploring the Fibonacci sequence using X-rays from organizations across the country!

<https://www.sciencefriday.com/educational-resources/fibonacci-sequence-handy-mathematical-a-pproach-looking-evolution/>

How Do ‘Killer Snails’ Kill Their Victims?

Model the hunting adaptations and a rich peptide venom cocktail of predatory cone snails in this exploration of the organism’s structure and function.

<https://www.sciencefriday.com/educational-resources/how-do-killer-snails-kill-their-victims/>

Investigate Biodiversity As You Design A Frog

Design a frog species of your own as you learn about the many ways frogs and toads adapt to their environment.

<https://www.sciencefriday.com/educational-resources/design-a-frog/>

Audio

Ask An Expert: An Evolution Education

Talking about the science behind evolution, in light of laws allowing schools to teach creationism.

<https://www.sciencefriday.com/segments/evolution-education-expert-book/>

How Humans and Insects Conquered the Earth

E.O. Wilson discusses evolution and natural selection in *The Social Conquest of Earth*.

<https://www.sciencefriday.com/segments/how-humans-and-insects-conquered-the-earth/>

Diving Deep To Appreciate The Spleen

Evolutionary adaptations, such as having a larger spleen, have let humans live comfortably in some of the world's extreme places.

<https://www.sciencefriday.com/segments/diving-deep-to-appreciate-the-spleen/>

50 Years Of Science With Lucy, Our Famous Early Ancestor

On the anniversary of Lucy's discovery, paleoanthropologists reflect on what she means to science, and what she taught us about ourselves.

<https://www.sciencefriday.com/segments/lucy-human-ancestor-50-anniversary/>

Video

These Stunning Images Were Created Using The Forces Behind Evolution

A computer programmer and artist discovers inspiration in biological growth processes.

<https://www.sciencefriday.com/videos/emergence-machine-learning-art-images/>

Books

Evolution: The Roots Of Our 'Tree Of Life'

Author Prosanta Chakrabarty leads us through the basics of evolutionary change, and explains how evolution doesn't mean "perfection."

<https://www.sciencefriday.com/articles/evolution-explaining-life-book/>

Other

Science Friday Discussion: Negotiating the Challenges of Teaching Evolution

Learn from experienced educators how to teach evolution in communities where evolution is controversial and browse classroom evolution resources.

<https://www.sciencefriday.com/educational-resources/science-friday-discussion-negotiating-the-challenges-of-teaching-evolution/>

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