



Beauty and the Bizarre

November 16, 2017 | Thursday 10:15 a.m. Mesa, AZ

Anand Varma | Natural History Photographer

Be amazed at the world's smallest wonders. Biologist turned photographer Anand Varma shares dramatic, bizarre, and beautiful images to reveal the secret world of the miniature life around us. Students will see natural history come into microscopic focus, from a parasitic wasp consuming a caterpillar, to the secret life cycle of a honeybee, and the lighting-fast behaviors of hummingbirds. Grade level: 5 - 8

Meet Anand Varma

<http://www.varmaphoto.com/about-page/>

From the Right Sense to that Perfect Shot: Anand Varma from National Geographic

<http://www.sciwri.club/archives/2674>

by Ipsa Jain (3/24/2017) from Club SciWri: Scientists Simplifying Science

"Has the advice, 'follow your passion' held mettle or not?" I asked Anand. "While it is nice to 'follow your passion,' it is not a comprehensive advice," he mused. "One also has to find an audience for their love, find a way to connect with the audience. If one wishes to pursue their passion as a career, one must evaluate the worthiness of their passion for an audience, however big or narrow." He believes that your passion has to produce something that other people value.

TED Talk: The First 21 days of a bee's life (6 minutes)

https://www.ted.com/talks/anand_varma_a_thrilling_look_at_the_first_21_days_of_a_bee_s_life

We've heard that bees are disappearing. But what is making bee colonies so vulnerable? Photographer Anand Varma raised bees in his backyard — in front of a camera — to get an up-close view. This project, for National Geographic, gives a lyrical glimpse into a beehive, and reveals one of the biggest threats to its health, a mite that preys on baby bees in their first 21 days of life. With footage set to music from Rob Moose and the Magik*Magik Orchestra, Varma shows the problem ... and what's being done to solve it. (This talk was part of a session at TED2015 guest-curated by Pop-Up Magazine: popupmagazine.com or @popupmag on Twitter.)

Indian American Science Photographer Named National Geographic 'Emerging Explorer' from IndiaWest newspaper, 5/25/2017

http://www.indiawest.com/news/global_indian/indian-american-science-photographer-named-national-geographic-emerging-explorer/article_9fed3d12-4194-11e7-a0dc-a3c72b4ffcef.html

NG Live! **Anand Varma: *Beauty and the Bizarre***: preparation from National Geographic

<https://www.nationalgeographic.org/media/anand-varma-beauty-and-bizarre/>

Use the resources in this collection to prepare your students for their upcoming National Geographic Live student matinee experience. Use the "Before the show" ideas to introduce students to Anand Varma and the topics (biology, biodiversity, fieldwork) that he will discuss during the show. Use the "After the show" ideas to extend the learning after the event has ended.

NatGeo Live - **Zombie Parasites (video)**

<http://focusingonwildlife.com/news/video-zombie-parasites-by-anand-varma/>

Talk from the Grosvenor Auditorium at NGS headquarters by Varma. About 25 minutes.

A New Species of Hummingbird?

<https://ucrtoday.ucr.edu/27199>

Pictures credit to Varma. Article from UCR Today (University of California, Riverside).

Ask a Biologist (ASU Life Sciences educator site)

<https://askabiologist.asu.edu/> (main site)

Ugly Bug Contest <https://askabiologist.asu.edu/video/ubc2016>

Parasites in birds: Is a City Slicker Sicker?

<https://askabiologist.asu.edu/plosable/city-slicker-sicker>

Six legged recipes (Insect recipes) - <https://askabiologist.asu.edu/explore/six-legged-recipes>

Beetle Dissection - <https://askabiologist.asu.edu/why-study-insects>

Spiderman meets Spider-Man - <https://askabiologist.asu.edu/podcasts/spiderman-meets-spider-man?show=transcript>

Zoom Gallery (microscopic pictures of bone) <https://askabiologist.asu.edu/images/bone-gallery>



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