

# A STEM in the Park Take Home Activity

## STEM in the PARK

Science, Technology, Engineering, and Mathematics

## Adapting to the Deep Sea

### ***What You Need***

- Deep sea fish coloring cards
- Glow in the dark fabric paint



### ***What To Do***

Deep sea fish and invertebrate animals all have amazing adaptations to help them survive in the deep sea. One of the most interesting is their ability to make living light called bioluminescence. Those animals that glow might be using light to blend in (camouflage), attract food (lure), hide from a predator (counter illumination), or communicate.

Pick a card with a deep sea animal on it and learn about how it uses its special glow. Then, use fabric paint to make the “photophore” glow in the right places on the animal.

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## **Observe...**

Take your coloring card home and look at your animal in a dark room to see how it might actually appear in its deep sea habitat.

## **Learn...**

What is bioluminescence and how do animals make this “living light”? What other deep sea animals have adapted to the place they live in special ways?

Read more about the deep sea creatures in books you can find in the library or searching for information on the internet. Try *The Rainbow Fish* by Marcus Pfister.

Scientists who study the deep sea need to know about biology, chemistry, and the physics of the deep sea.

***This activity is brought to you by The University of Findlay***

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