



DART FROG VIVARIUM SCIENCE

Wednesdays, March 20- May1

No class April 3 (6 weeks)

11:00am-12:30pm

Ages 11-14

Students explore the different elements that make up an ecosystem and learn how they can be recreated in a vivarium by examining the Anthony's Poison Dart Frog and where they live. All lab costs are included in registration fee.

LAB SCHEDULE:

INTRO TO DART FROGS – Wednesday, March 20

Let's go on a safari! Students go on an adventure through the tropical rainforests of South America where they examine the dart frogs' natural history and how they fit in with their ecological niche. Then, we focus on how to recreate this giant ecosystem on a small scale with our dart frog vivarium.

SOIL SCIENCE – Wednesday, March 27

When building an ecosystem, it helps to start from the ground up – literally! Students explore the different types of soil and determine what components we need to recreate our rainforest floor.

PLANT LIFE – Wednesday, April 10

Tropical forests have the highest biodiversity of any of the world's terrestrial biomes. Not only do they house a wide diversity of animals such as our dart frogs, they also contain an immense diversity of plants. We spend this week investigating the different types of plants they might find in a tropical rainforest, how they grow and which ones would be most beneficial to our frogs.

CLEAN UP CREW – Wednesday, April 17

Introducing our tiny custodians, the detritivores, and the role that they play in our ecosystem. Dart frogs, even though they are small, can make quite a mess. We employ a tiny clean-up crew to keep everything nice and tidy.

A FROG'S GOTTA EAT – Wednesday, April 24

Students compare what dart frogs eat in the wild with what we feed them in captivity, explore how a dart frog's diet affects their toxicity and how to raise frog food by building a fruit fly farm.



A PALACE FIT FOR A FROG – Wednesday, May 1

It's finally time to add our frogs! Students observe the frogs' behavior as they explore the environment they've created, feed the frogs their first meal in their new home and investigate the science of frog tongues.

Location: STEM Lab (suite 21)

Full series - \$150

10% sibling discount