

Proposal

Team Number:

School Name: Moriarty High School

Area of Science: Environmental Sciences

Project Title: Invasive Burmese Python in Florida

The Burmese Python is not native to Florida. They were originally in wildlife reserves and zoos, but when hurricane Andrew struck in 1992, the Burmese python was able to escape and takeover the Florida Everglades. This has disrupted the ecosystem balance because the python is a predator of many of the natural species. If left unchecked, they may be able to spread to nearly a third of the United States. The only predator to the Burmese python is the Florida alligator.

We plan to research the Burmese python and the Everglades. We also plan to create an ecosystem model in Netlogo. We want to research ideas for containing the python. We could increase the number of alligators or find ways to interrupt their breeding cycle. We will identify the key species and model varying numbers of each. We will run our model numerous times and analyze the data.

Team Members

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Sponsoring Teachers

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Project Mentor(s)