

CHALLENGE 6

CONSERVATION STRATEGIES: LIZARDS ON THE LOOSE

For individuals or groups; maximum points: 300

YOUR CHALLENGE South Florida's mild subtropical climate and diverse flora and fauna make it a hotspot for introduced species. The Brown Anole (*Anolis sagrei*), native to Cuba and the Bahamas, is one of many lizard species introduced to South Florida. The evolutionary process of adapting to a new environment involves many challenges, including the adaptation to new climates and habitats. Students will use timed surveys to record the abundance and diversity of the lizard fauna in their school or backyard. These data will be used by the University of Rhode Island to help study the evolutionary adaptation of introduced lizards to South Florida. Students will describe and analyze their findings from their schoolyard or backyard through a PowerPoint presentation.

ENTRY SUBMISSION: Wednesday, March 11, 5:00 p.m.

Email the following materials:

- (a) Challenge 6 entry form and Challenge 6 table
- (b) Maximum **one entry per school**

✓	ENTRY REQUIREMENTS:
<input type="checkbox"/>	Maximum 15 slide PowerPoint; entry must be submitted electronically
<input type="checkbox"/>	Slides must be self-explanatory, students will not conduct presentations
<input type="checkbox"/>	Report title and school name on entry
<input type="checkbox"/>	Completed Challenge 6 table
<input type="checkbox"/>	On time entry submission



ADDITIONAL INFORMATION:

- Visit our website for resources.
- Challenge 6 table will include data sheets.
- Large PowerPoint files can be sent through Dropbox.

EVALUATION CRITERIA: For a detailed list of evaluation criteria and points awarded, visit www.fairchildchallenge.org.

ACADEMIC STANDARDS: This challenge meets standards for Gifted, Mathematics, Reading/Language Arts, and Science. For a detailed list of specific standards, visit www.fairchildchallenge.org.

Brown Anole. FTBG Photo