



# THE FUTURE CREATURES CHALLENGE

## DESIGN GUIDELINES

Below are guidelines to keep in mind when making your Future Creatures submission. We encourage participation first and foremost, so remember that your effort is more important than artistry!

**GOOD LUCK!**

You may submit up to 6 drawings/illustrations/images (up to 3 MB each), title, and text essay of your Present and Future Creature. This is what we hope to see:

- A minimum of one PRESENT and one FUTURE animal drawing/illustration that shows the adaptations of your vertebrate animal over time in the context of their present and future habitat. Explore adaptations needed for survival such as camouflage, defense, food, and movement.
- Label all drawings with PRESENT or FUTURE so that we know which it is intended to be. You are welcome to write text, use arrows, or use diagrams to explain features in your drawings.
- DO NOT SUBMIT an existing photo or illustration of an animal you found online. All images should be 100% made by you, either hand-drawn or digitally drawn using digital design software and/or tools.
- In your text essay, explain:
  - Your animal's present and predicted future habitat including why/how you think it may change.
  - The adaptations you predict may happen to your animal due to its predicted environment change and why.
  - Advanced Option: Using data, explore your thoughts on time and rates of change. How many years may it take to go from your present to predicted future habitat? Can your animal adapt/survive at that rate of change?
- To learn more about the rainforest, vertebrate animals, genetic inheritance, and adaptation please refer to the science lessons.

Please review the **RULES** and do not submit any photos with personal info, faces or names!

Looking for climate data? The NASA site below is a comprehensive source:

<https://climate.nasa.gov/vital-signs/global-temperature/>

