

3rd grade: Create a Nature Journal

- **Description:** In this lab, students will learn about natural selection and where it all started in the Galapagos Islands. They will learn how to make and take notes in a nature journal. The last 10-15 minutes of the lab will be set aside for you to take your students on a quick nature walk around your school (or around their house for fully remote students) for them to practice writing in a nature journal.

Standards:

- **3-LS3-2** Use evidence to support the explanation that traits can be influenced by the environment.
- **3-LS4-2** Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.
- **3-LS4-3** Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive well, and some cannot survive at all.

Materials supplied by classroom teacher:

- One piece of paper per student
- One pencil per student
- Scissors (students can share)

Advanced Preparation:

- Have materials out and ready to go. We will pass them out during the lab.

Note: If there is bad weather, the zoom will still only be 30 minutes and then on a day with good weather, you can take the students on their walk.

Program Connection Information

Please use an external microphone (conference style) rather than the integrated one in the computer for the audio for your class and locate it centrally in the room. It can be difficult for the Greenbush teacher to hear the students using the computer microphone and therefore it reduces the interactive nature of the lesson. It is fine to use the computer webcam for your video source though.

All classes will take place using Zoom desktop video. If your building is already set up to use a desktop video application with a computer, simply open a browser and enter <https://greenbush.zoom.us/j/6913388482> in the URL space. You may need to download Zoom launcher software (free download) if you don't already have it. This needs to be done in advance of the lesson.

If using a Polycom video conferencing unit (or any legacy type video conferencing unit) to connect to a ZOOM conference, make sure the unit is in "encrypted mode" then dial the following IP on the internet: 162.255.37.11 or 162.255.36.11 and once connected, they will ask for a MEETING ID: enter 6913388482 (for Kenzie at Science Center).

It's always a good idea to touch base with your district technology facilitator prior to your program to make sure all systems/equipment are in place and operational and no firewalls that might prevent you from connecting to Zoom.

Once you connect, you will enter a Zoom waiting room. Your Greenbush teacher will admit you into the final meeting room.

Classes take place at the following times:

9:00-9:45

10:00-10:45

12:15-1:00

1:15-2:00

2:15-3:00

If you log in during one of those times, you may connect during another class' lesson. If you do, please check your connection to make sure things are working properly and then leave the meeting until your scheduled time by selecting "End Meeting" in the lower right corner of your Zoom screen and click on "End Meeting". You will need to rejoin the meeting at your scheduled time. This prevents your site from interfering with the lesson currently in progress. After your lesson is finished, please leave the meeting.

If you have questions, please call Kenzie Heatherly at Greenbush (620-724-6281).