

Supplemental file 8: Teacher Training Workshop pre and post questionnaire (Year 2: 2020-2021)

General questions
1. What type of school do you represent? Select all that apply
2. What subject area(s) do you teach?
3. How many years have you been teaching?
Transpiration
4. What is transpiration?
5. What happens with transpiration rates (in terms of increase/decrease) if: a) light intensity increases _____ (increases) b) temperature increases _____ (increases) c) under windy conditions _____ (increases) d) under humid conditions _____ (decreases)
Climate change
6. Which of the following is/are an example(s) of climate. Select all that apply: _A thunderstorm _The average temperature in Florida over the past 100 years (X) _An earthquake _A cold day in Miami _The average of the annual precipitation in Central America (X)
7. What is(are) the main direct cause(s) of climate change. Select all that apply: _Greenhouse gasses (X) _Volcanoes _Sun _Hotter ocean currents _Water pressure deficit
8. Why are plants/forest important for mitigating climate change? Select all that apply: -They serve as a “carbon sink” (X) -They are an important food source -They reflect sunlight away from the Earth -They provide resources to other organism _They perform cellular respiration
Transpiration and climate change

9. While transpiration helps maintaining suitable leaf temperatures, it does require vast amounts of water. Explain briefly what would happen with transpiration rates under climate change scenarios where high temperatures and increased drought conditions are simultaneously acting.

Interest, engagement, attitude, and motivation

10. I am interested in participating with my students in citizen science programs

11. Provide a brief explanation for your previous answer

POST QUESTIONNAIRE (questions 1-11 + the following)

12. Let us know your views on the Shade our School: Leaves are Cool! workshop by rating the following statements from 1 (lowest) to 10 (highest)

- How well the event was organized
- Usefulness of the information
- Quality of the presentations
- To what extent the workshop met your expectations
- How likely you are to attend a similar Fairchild Challenge event in the future

13. What part of the presentation was most helpful?

14. What might we consider changing?