Dear Professor Abernathey,

Hello, my name is Ben Goldman. I am writing to introduce myself and ask you some questions about your research. I am a sophomore in the science research program at White Plains High School. The science research program is a 3-year class where we will create a research project and present it at local and state science fairs. I am interested in studying the effect that greenhouse warming has on tropical meteorology. I was especially interested in your research on the role of sea ice in Southern Ocean circulation. I have a few questions about your research. If global warming is reducing sea ice cover, and sea ice is an important factor in the overturning circulation, then will the circulation slow down due to climate change? Also, what effects does the southern overturning circulation have on global climate? I am looking for a scientist to work with for my research project. Are you currently working on any projects that I could help with? Let me know if you need an more information about what this would entail, and if you don’t currently have time for an advisory role, I fully understand.

Sincerely,

Ben Goldman

Dear Professor Biasutti,

Hello, my name is Ben Goldman. I am writing to introduce myself and ask you some questions about your research. I am a sophomore in the science research program at White Plains High School. The science research program is a 3-year class where we will create a research project and present it at local and state science fairs. I am interested in studying the effect that greenhouse warming has on tropical meteorology. I was interested in your research on the influence that global warming has on rainfall in the Sahel. One question that I have is how did you detect long-term trends in the data produced by observations and climate models. Second, what further research should be done to advance our understanding of meteorology in the Sahel? I am currently looking for a scientist to work with for my research project. Part of the science research class is that I must find an advisor to help me with my project. Are you currently working on any projects that I could help with? Let me know if you need an more information about what this would entail, and if you don’t currently have time for an advisory role, I fully understand.

Dear Professor Kaplan,

Hello, my name is Ben Goldman. I am writing to introduce myself and ask you some questions about your research. I am a sophomore in the science research program at White Plains High School The science research program is a 3-year class where we will create a research project and present it at local and state science fairs. I am interested in studying the effect that greenhouse warming has on tropical meteorology. I was interested in the article you coauthored examining the effect that orbital and solar changes had on ENSO variability during the Holocene. I have a few questions about your research. How did you get reliable climate data from so far in the past? Also, how should other scientists contribute to this and similar research to further understand the role of El Nino in past climate? Part of the science research class is that I must find an advisor to help me with my project. Are you currently working on any projects that I could help with? Let me know if you need an more information about what this would entail, and if you don’t currently have time for an advisory role, I fully understand.

Dear Professor Polivani,

Hello, my name is Ben Goldman. I am writing to introduce myself and ask you some questions about your research. I am a sophomore in the science research program at White Plains High School. The science research program is a 3-year class where we will create a research project and present it at local and state science fairs. I am interested in studying the effect that greenhouse warming has on tropical meteorology. I was interested in your research on predicting changes in the strength of the Hadley cell. One question I have about your research is what is causing the predicted weakening of the Hadley cell? I recently contacted professor Timothy Hall at NASA GISS, who referred me to your article as an explanation for the observed slowing-down of tropical cyclones. What other impacts will this predicted weakening have on weather? Part of the science research class is that I must find an advisor to help me with my project. Are you currently working on any projects that I could help with? Let me know if you need an more information about what this would entail, and if you don’t currently have time for an advisory role, I fully understand.