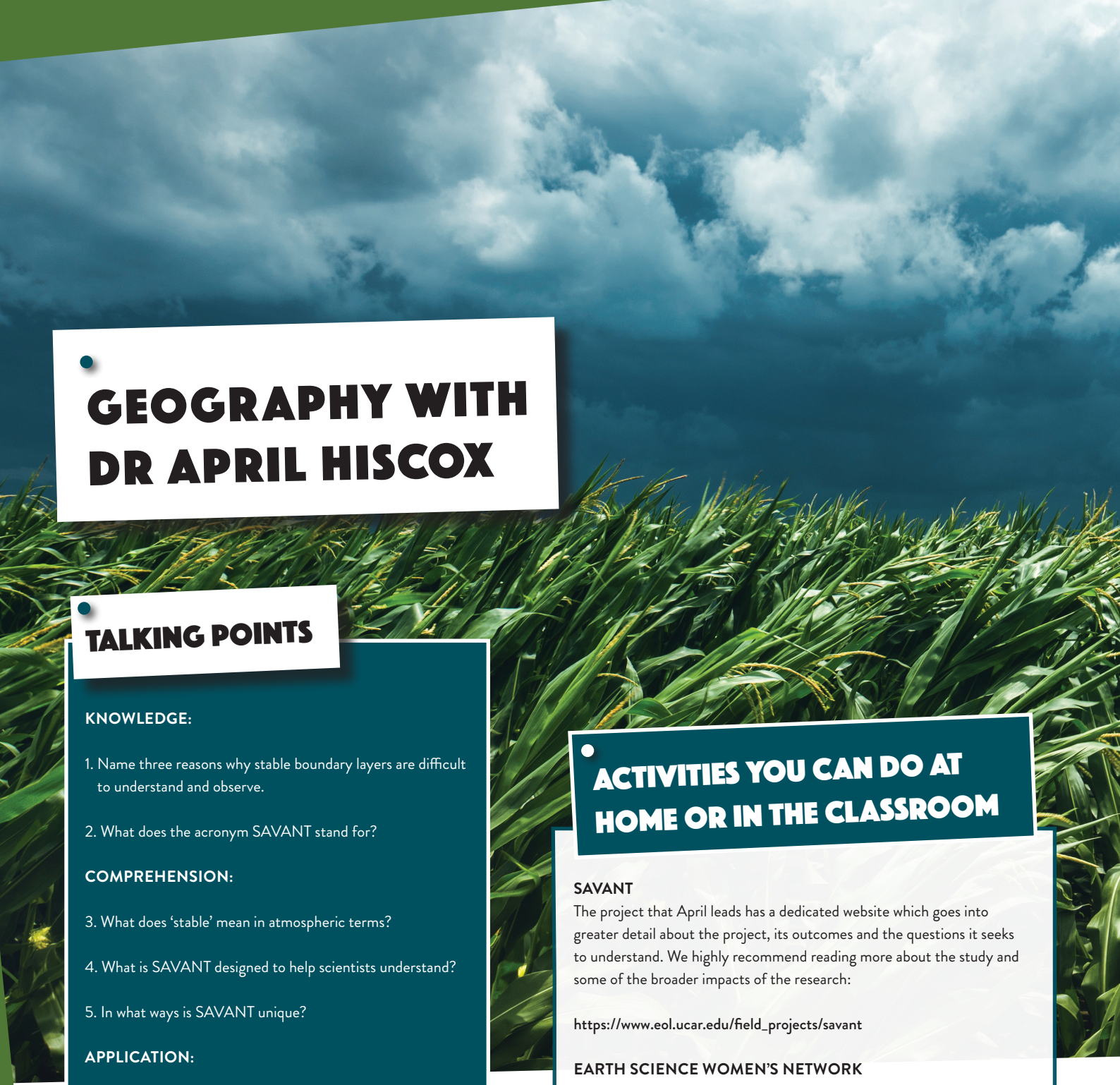

GEOGRAPHY WITH DR APRIL HISCOX

TALKING POINTS

KNOWLEDGE:

1. Name three reasons why stable boundary layers are difficult to understand and observe.

2. What does the acronym SAVANT stand for?

COMPREHENSION:

3. What does 'stable' mean in atmospheric terms?

4. What is SAVANT designed to help scientists understand?

5. In what ways is SAVANT unique?

APPLICATION:

6. Can you think of some industries that would benefit from understanding how air pollution spreads?

ANALYSIS:

7. Why is it important to understand how air pollution spreads?

8. Why is it notable that there are differences in how turbulence works before and after crops are harvested?

EVALUATION:

9. April dons many hats in her research career. Can you see how geography, atmospheric science and engineering might overlap? Of the three, which would you rather focus on and why? Which major issues would you like to address if you became a scientist?

ACTIVITIES YOU CAN DO AT HOME OR IN THE CLASSROOM

SAVANT

The project that April leads has a dedicated website which goes into greater detail about the project, its outcomes and the questions it seeks to understand. We highly recommend reading more about the study and some of the broader impacts of the research:

https://www.eol.ucar.edu/field_projects/savant

EARTH SCIENCE WOMEN'S NETWORK

April is a member of the Earth Science Women's Network whose mission is to build a resilient community that lifts all scientists and moves the geosciences forward. You can find out more about this grassroots, member-driven organisation here:

https://eswnonline.org/

MORE RESOURCES

GEOGRAPHY GAMES

Geography is, as the article should make clear, much more than knowing countries, capitals and flags! However, this website includes quizzes and challenges that are a fun way to get your geography knowledge flowing:

https://world-geography-games.com/