

## X-STEM All Access - Exploring our Minds

[Dr. Kafui Dzirasa](#) and [Dr. Kay Tye](#)

April 21, 2021

### TEACHER & PARENT TIPS:

Prior to the video, ask students to read the speaker biographies on our [website](#). To keep students engaged during the session, we have listed some key facts to look for during the talk, listed below. In addition, ask the students to answer a list of follow-up questions for a deeper analysis of the subject matter. Some sample questions are listed on page 2 of this worksheet.

Looking for more talks? Our video library filters the videos by subject matter to make the selection process easier for your lesson plans. Access the video library here:

[2020 X-STEM All Access Videos](#) | [X-STEM Symposium Videos](#) | [Festival Videos](#)

### ENGAGEMENT & FACT QUESTIONS:

**Dr. Kafui Dzirasa, Brain Engineer-read his biography before the talk [here](#)**

Approximately how many cells are in your brain?

How many times has Dr. Kaf met President Barack Obama?

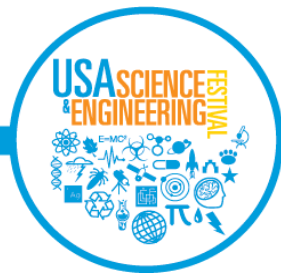
What is Dr. Kaf's favorite hobby outside of work?

**Dr. Kay Tye, Neuroscientist-read her biography before the talk [here](#).**

What hobby was Dr. Tye interested in during college?

In Dr. Tye's studies, which personality was more affected by loneliness? dominant or subordinate?

What subjects are usually used for Dr. Tye's experiments?



## **REFLECTION AND ANALYSIS QUESTIONS:**

Who did you learn about in this session? What is his/her name and what kind of work does he/she do?

Why is this speaker's work important?

How does his/her work have a direct impact on your life?

Tell me what you remember most from the speaker's presentation? What did you find most interesting?

What other kinds of jobs can you think of in his/her area of work?

Are you interested in learning more about this topic?

Can you predict what will change about this topic in the future? How will this impact your life?

If you could ask this speaker anything, what would it be?

Pick one fact from this talk and do your own follow up research. Provide a list of what you have learned.

## **BONUS Options:**

Dr. Kaf speaks a lot about the effects of lockdown and how that has affected our day to day lives. Name some ways the pandemic has affected you or the people around you.

Dr. Tye explains the many accomplishments of the Tye Lab, research these amazing accomplishments, pick your favorite one, and write a paragraph on how you think it influences our lives.