

SUBJECTS OF *SCIENCE FAIR THE MOVIE*

	<p>Kashifa is a soft-spoken Muslim girl at a big, sports-obsessed high school in Brookings, South Dakota. When she can't find a teacher to serve as her research advisor, she finds her school's head football coach to help her. They know that a win at ISEF could be the ticket she needs to escape her hometown. Kashifa dreams of attending college on the East Coast where she'll be judged for her intellect and hard work and not for her hijab.</p>
	<p>Myllena and Gabriel are best friends and research partners from Ceara, a poor state in Brazil. When the deadly Zika virus invaded their hometown, this dynamic duo headed for the lab. They found a protein that can stop Zika from spreading. They see the possibility of winning the international science fair as a way to escape the poverty they live in and put their research out into the world.</p>
	<p>Robbie is a math genius from West Virginia who loves wearing crazy shirts and getting into mischief and who nearly failed out of high school algebra class. He spends most days building computers from parts he finds at a local junkyard and writing code to make computers think for themselves. Robbie hopes that a win at ISEF will make up for his terrible grades and get him into a good college.</p>
	<p>Ryan, Harsha and Abraham are combining their talents to build one science fair super project. They are seniors at Kentucky's top science and engineering high school and they hope their project will help doctors in poor countries find out what is wrong with their patient's hearts. They built a 3D-printed electronic stethoscope that automatically connects to an online database (collection) of heart sounds.</p>
	<p>Anjali is a child prodigy who attends the same school as Ryan, Harsha and Abraham. As a 13-year-old freshman, she made a perfect score on the ACT (college entrance test). Now, as a sophomore, she built a device (machine) that will test water for arsenic, a dangerous element naturally present at high levels in the groundwater of a number of countries, including Argentina, Bangladesh, Chile, China, India, Mexico, and the United States of America. Super smart, competitive and confident, Anjali must deal with an early problem in qualifying for ISEF.</p>
	<p>Ivo is a brilliant and awkward young man from Germany who wants to turn his childhood obsession into science fair gold. Ivo found a very old single-wing design that was not used by modern engineers. By questioning what was accepted, Ivo redesigned the aircraft to make it more stable and efficient (not waste energy). His project wowed judges at the German National Fair and qualified him for ISEF which will be his first international competition and his first trip to the United States.</p>
	<p>Dr. Serena McCalla is a research teacher from Long Island, New York. Known for her demanding, in-your-face style, she led her team of immigrant students, most of whom speak English as a second language, from Jericho High School into one of the best science teams in the world. It is amazing for any high school to have one or two students qualify for ISEF, but Dr. McCalla had nine!</p>
<p>About the Intel International Science and Engineering Fair</p> <p style="text-align: center;">ISEF</p>	<p>The International Science and Engineering Fair, is the world's largest pre-college science competition. Each year, about 1,700 students from over 78 countries, regions and territories around the world have the opportunity to compete with their independent research for around four million dollars in prizes and get noticed by professionals and top universities.</p>

**Reflection questions on the back.*

Reflection Questions

Which person in *Science Fair* do you most identify with? Why? (This can be science, personality or hobby related.)

I most identify with _____ because...

Which project do you think should win (even if it didn't win) the competition? Why?

The project I think should have won is _____ because...

Think about one person from the movie and answer the question: What struggle(s) did they have to overcome as they were participating in the competitions?

I noticed that _____ struggled with _____ and overcame it by...

Think of a problem or need in your school or community that you think someone should research. Write about the problem or need and why you think it is important.

I think the problem/need _____ should be researched because...
