

Research a "STEMist": Parent/Teacher Key

STEM = "Science, Technology, Engineering, and Math." We use the term "STEMist" to refer to people with careers in a STEM field. Find a STEMist you admire and create a report on them!

Choose someone who works in STEM and research them online and/or with books (or even interview someone you know!) The "STEMist" can be living, deceased, famous or not! STEMTradingCards.org is one resource to find STEMists- other resources are written at the end and linked online.

1. What is your STEMist's Name? STEMist name here

2. What is their job or job title? e.g. "Chemist," "Software Engineer," "Mathematician"

3. Is your STEMist working today or are their contributions historic?

You might also have STEMists famous for their work that occurred some decades ago but are still active either in their careers or outreach pursuits.

4. Describe the STEMist's work! What do they do? What are their contributions?

Have the student write what the STEMist does or did!

5. Which of the "STEM" letters best describes the STEMists work? ("S," "T," "E," or "M").

Do they have knowledge of expertise in more than one "letter"?

By "letter" we are referring to the fields of science, technology, engineering, or math. Many STEMists have multiple areas of expertise. For example the Biochemist Dr. Arlyne Simon is a Biochemical Engineer. She has expertise in science ("S") and engineering ("E") and is also an inventor with technology skills ("T") and also uses math ("M") in her job.

If the STEMist uses the arts or humanities in their work you might also include that here.

6. Are you able to find interests your STEMist has outside of their work?

Many STEMists have hobbies or other interests that they talk about online (e.g. dancing, gardening, writing)! Do some google searches to see what you can find out. Learning more about the STEMist helps young students connect to the person and the work.

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7. Why did you choose this STEMist to research? Do they inspire you?

The student may write about being inspired by the STEMist's work, the personal attributes of the STEMist, or both!

8. Would you be interested in having a career like this STEMist? Why or why not?

The student can think of whether the STEMist's job could be a good career for them!

9. Draw a picture of the STEMist, or of something related to their work! (Or print a picture of them and put it here!)

Have students include details like the clothes, tools, or equipment the STEMist needs to work (e.g. a hat, binoculars, microscope?), their environment (e.g. lab, computer, forest?), and the subject they are studying (e.g. bacteria, birds, or computers?). For example, if the student is writing about Dr. Jane Goodall they can draw her in the jungle with chimpanzees, or if they are writing about Neuroscientist Dr. Pawan Sinha they can draw him in the lab and draw a picture of a brain.

Resources to find diverse STEMists:

STEMTradingCards.org

Uniquescientists.com

STEM Gems (book and website)

One Million Women in STEM (1mwis.com)

Book: Everyday Superheroes Women in STEM Careers



Find links and other resources at the download page.