Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Ben Goldman\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_2\_\_\_\_

***Topic: What is a Professional Science Researcher?***

**SWBAT:**

* **Use the internet to determine the traits of a good professional scientist**
* **Relate their findings to the Science Research classroom**

**Part 1. Professionalism**

Instructions: Google “What is a true professional?”

1. Write 5 traits of a true professional (list)

* Committed
* Reliable
* Master skills
* Humble
* productive

*Cite source(s) used:*

Moore, Anthony. “The 10 Qualities of a True Professional.” *Medium*, Medium, 6 July 2018, https://medium.com/@anthony\_moore/the-10-qualities-of-a-true-professional-a400179ffc1f.

1. For each trait, provide an explanation (elaborate), and give an example of how this trait can be used in science research (1-2 sentences for each)

If I am committed to my science research project, then I can be sure that I will do a good job. If something goes wrong or takes longer than expected, then I will persevere.

A reliable professional can be relied on to put in maximum effort every day they work. As a reliable science researcher, I will always be consistent with my effort.

A true professional is very specialized in their area of expertise and are very good at their job. A science researcher should be experienced and well-versed in the area that they are studying.

Professionals should not flaunt their position and expertise and show off to others. When I am giving presentations at science fairs, I need to have humility and impress the judges with my project, not my credentials.

Professionals can get work done well and quickly, without giving up quickly or getting distracted. As a science researcher, I will need to handle large amounts of work and make good use of my time.

**Part 2: Research scientists**

Instructions: Google “what does a research scientist do?”  
3) Write 3 characteristics of a good research scientist (in your own words) (list)

* Precise
* Skilled
* organized

*Cite source(s) used:*

Alex\_TARGETjobs. “Research Scientist: Job Description.” *TARGETjobs*, 30 July 2019, https://targetjobs.co.uk/careers-advice/job-descriptions/278833-research-scientist-job-description.

1. List 5 activities that a research scientist would conduct (list)

* Analyzing data
* Organizing/directing staff
* Writing reports
* Collecting data
* Developing solutions

*Cite source(s) used:*

Alex\_TARGETjobs. “Research Scientist: Job Description.” *TARGETjobs*, 30 July 2019, https://targetjobs.co.uk/careers-advice/job-descriptions/278833-research-scientist-job-description.

**Part 3: Personal Reflection**

1. For each of the characteristics and activities listed above (all 8), note your strengths and weaknesses in these areas (paragraph format)

Some of my strengths as a professional researcher include being precise and skilled. I pay close attention to detail, and I am always trying to master new skills. However, I could improve on being organized, as I sometimes lose track of papers. Some activities as a researcher that I think I will be good at are analyzing data, writing reports, teaching others, and developing solutions. I am good at identifying patterns in numbers, and I am good at math. I think I will be good at teaching and writing reports because I am good at clearly explaining scientific topics. Finally, I am creative and able to solve problems in original ways. I could improve on directing others, because I am not very good at communicating with and directing others.

1. How do think this program will help you develop into a research scientist? (brief paragraph)

The science research program will help me become a research scientist by helping me to develop expertise in the area of research and help me to develop the skills necessary to become a professional researcher. Spending time working with a mentor to develop a research project will provide me with experience in processing data, applying the scientific method, and collaborating with others. Also, working on a research project will help me improve on the skills necessary to be a professional, such as reliability and commitment.