

Week 2 Journal Entry

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In his work *The Social Order* published in 1957, Robert Bierstedt posited that social sciences adhered to the same principles as natural sciences, and that they were equally scientific. When looking at them broadly, one can certainly see the similarities in the processes. Both involve a question being posed by the researcher, actual research or experimentation being conducted, data collected, and conclusions drawn. In terms of answering how the principles of science relate to cybersecurity, they're related because of how they're applied. Applied to cybersecurity, when posed through a social science lens, scientific principles examine how technology impacts our society and social behaviors that have come about because of it. Scientific principles force us to look at the what and the way of technology and cybersecurity. For example: if a biomedical company falls victim to a cyber attack, scientific principles can be applied to the situation to not only decipher *why* the attack was launched, but also *how* it will affect other branches of infrastructure moving forward. Scientific principles can even be used to inform future government action to prevent or mitigate a similar attack from occurring in the future.