Week 2 Journal

The principles of science are deeply relevant to cybersecurity, like science, relies on core principles to ensure accuracy and effectiveness. **Empiricism** emphasizes evidence-based decision-making, which is critical when analyzing data to detect threats or vulnerabilities. **Determinism** reflects the idea that every cybersecurity event has a cause, encouraging professionals to trace incidents back to their origins for prevention. **Parsimony** advocates for simplicity, ensuring security systems remain efficient, manageable, and focused on essential protections. **Objectivity** is vital for unbiased threat assessments, avoiding assumptions or personal bias when evaluating risks or incidents. Together, these principles foster a disciplined approach to cybersecurity, enabling organizations to build resilient systems based on logic, data, and practical evidence rather than guesswork or excessive complexity.