**Sequencing Rationale**

The fourth grade science curriculum follows a concept-related sequence, referred to as logical prerequisite, which is one of Posner and Rudnitsky's five categoration schemes (Chiarelott, 2006). The sequence of topics according to this rationale is as follows:

1. Electricity, heat, and matter
2. Earth’s surface
3. Earth’s living history

When designing a curriculum map that includes these major topics, I would begin with Electricity, heat, and matter. This would ensure that students understand the processes of energy transfer and transformation. This builds the foundation necessary for students as they begin making discoveries about how these energy processes affect the weathering of Earth’s surface. Finally, students can begin decoding Earth’s history by analyzing the processes that shape Earth’s surface and fossil evidence.