### ESSENTIAL ELEMENT, LINKAGE LEVELS, AND MINI-MAP

**SCIENCE: MIDDLE SCHOOL**

**SCI.EE.MS-PS1-2**

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<th>State Standard for General Education</th>
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| **MS-PS1-2** Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred | **EE.MS-PS1-2** Interpret and analyze data on the properties (e.g., color, texture, odor, and state of matter) of substances before and after chemical changes have occurred (e.g., burning sugar or burning steel wool, rust, effervescent tablets) | **Initial:**  
  - Observe and identify examples of change (e.g. state of matter, color, temperature, and odor)  

**Precursor:**  
  - Gather data on the properties (e.g., color, texture, odor, and state of matter) of substances before and after chemical changes have occurred (e.g., burning sugar or burning steel wool, rust, effervescent tablets)  

**Target:**  
  - Interpret and analyze data on the properties (e.g., color, texture, odor, and state of matter) of substances before and after chemical changes have occurred (e.g., burning sugar or burning steel wool, rust, effervescent tablets) |

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A diagram showing the relationship of linkage levels in the mini-map appears below.

*Key to map codes in upper right corner of linkage level boxes:*

- I  Initial  
- P  Precursor  
- T  Target
Interpret and analyze data on the properties (e.g., color, texture, odor, and state of matter) of substances before and after chemical changes have occurred (e.g., burning sugar or burning steel wool, rust, effervescent tablets).