## Essential Element, Linkage Levels, and Mini-Map
### Mathematics: Grade 8

**M.EE.8.F.4**

<table>
<thead>
<tr>
<th>Grade-Level Standard</th>
<th>DLM Essential Element</th>
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| **M.8.F.4** Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two \((x, y)\) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. | **M.EE.8.F.4** Determine the values or rule of a function using a graph or a table | **Initial Precursor:**  
- Arrange objects in pairs  
- Order objects  
**Distal Precursor:**  
- Generate ordered pairs from 2 distinct numerical patterns  
- Extend a symbolic pattern by applying the rule  
**Proximal Precursor:**  
- Recognize direction of covariation  
- Recognize covariation  
**Target:**  
- Describe the function rule from the list of ordered pairs given in a table  
- Describe the function rule from a given graph  
**Successor:**  
- Recognize function |

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

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

- **IP** Initial Precursor  
- **SP** Supporting  
- **DP** Distal Precursor  
- **S** Successor  
- **PP** Proximal Precursor  
- **UN** Untested  
- **T** Target
M.EE.8.F.4 Determine the values or rule of a function using a graph or a table