

| Unit 6: BF- Building Functions | | |
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| 4.0 | In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught. | |
| | 3.5 | In addition to score 3.0 performance, partial success at score 4.0 content |
| 3.0 | <p>Write a function that describes a relationship between two quantities. (BF.A.1)</p> <ol style="list-style-type: none"> Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. (+) Compose functions. For example, if $T(y)$ is the temperature in the atmosphere as a function of height, and $h(t)$ is the height of a weather balloon as a function of time, then $T(h(t))$ is the temperature at the location of the weather balloon as a function of time. <ul style="list-style-type: none"> I can use tables, graphs and equations to represent the height of a falling object I can explain how the a and c in $y=ax^2 + bx + c$ affect the graph of the equation. I can explain how the b in $y=ax^2 + bx + c$ affect the graph of the equation. | |
| | 2.5 | No major errors or omissions regarding score 2.0 content and partial success at score 3.0 content |
| 2.0 | <p>The student will recognize or recall specific vocabulary, such as:** (BF.A.1)</p> <ul style="list-style-type: none"> Function Constants (a, b, c) Parabola <p>The student will perform basic processes (BF.A.1)</p> <ul style="list-style-type: none"> I can explain the meaning of the terms in a quadratic expression that represents the height of a falling object. | |
| | 1.5 | Partial success at score 2.0 content and major errors or omissions regarding score 3.0 content |
| 1.0 | With help, partial success at score 2.0 content and score 3.0 content | |
| | 0.5 | With help, partial success at score 2.0 content but not at score 3.0 content |
| 0.0 | Even with help, no success | |