

Performance Assessment

Name: _____

Summative Assessment

Can I make a STRONG structure?

SM 3.2	Great work! This is going extra well for you!	You did it and you did it on your own!	Good start. You are beginning to make sense of this on your own.	You can do it. Spend some extra time with the criteria and ask for help.
<p>Assess the function and characteristics of strong, stable, and balanced natural and human-built structures.</p>	<p>With confidence, you can assess the function and characteristics of <i>strong, stable, and balanced</i> natural and human-built structures. You are able to examine, compare, and determine how shapes, materials, and other criteria construct simple structures. You can construct a simple to complex structure on your own and assess the strength, stability, and balance.</p>	<p>On your own, you can assess the function and characteristics of <i>strong, stable, and balanced</i> natural and human-built structures. You are able to examine, compare and determine how shapes, materials, and other criteria construct simple structures. With assistance or individually, you can construct a simple structure and assess the strength, stability, and balance.</p>	<p>With assistance, you can assess the function and characteristics of <i>strong, stable, and balanced</i> natural and human-built structures. With help, you are able to examine, compare and determine how shapes, materials, and other criteria construct simple structures. With assistance you can begin to construct a simple structure.</p>	<p>Even with assistance, you are having difficulty assessing the function and characteristics of <i>strong, stable, and balanced</i> natural and human-built structures.</p>

SM 3.2 (I) Develop and carry out a plan to construct a simple structure such as a tower, bridge, tipi or bird feeder that meets teacher or students- specified strength, stability and function.

As a class we decided to create a _____ structure which success will be measured according to _____.

My plan/drawing:

Structures and Materials – Grade 3 Science

SM 3.2 Assess the function and characteristics of strong, stable and balanced natural and human-built structures.

SM 3.2 (j) Estimate measurements in order to select appropriate quantities of required materials for constructing a structure.

I am building a _____.

What materials will I need?

Materials	How many?

Structures and Materials – Grade 3 Science

SM 3.2 Assess the function and characteristics of strong, stable and balanced natural and human-built structures.

SM 3.2 (m) Follow safety procedures and rules while constructing structures and explain the need for such procedures and rules.

Safety procedures and rules I need to follow are:

1. _____

2. _____

3. _____

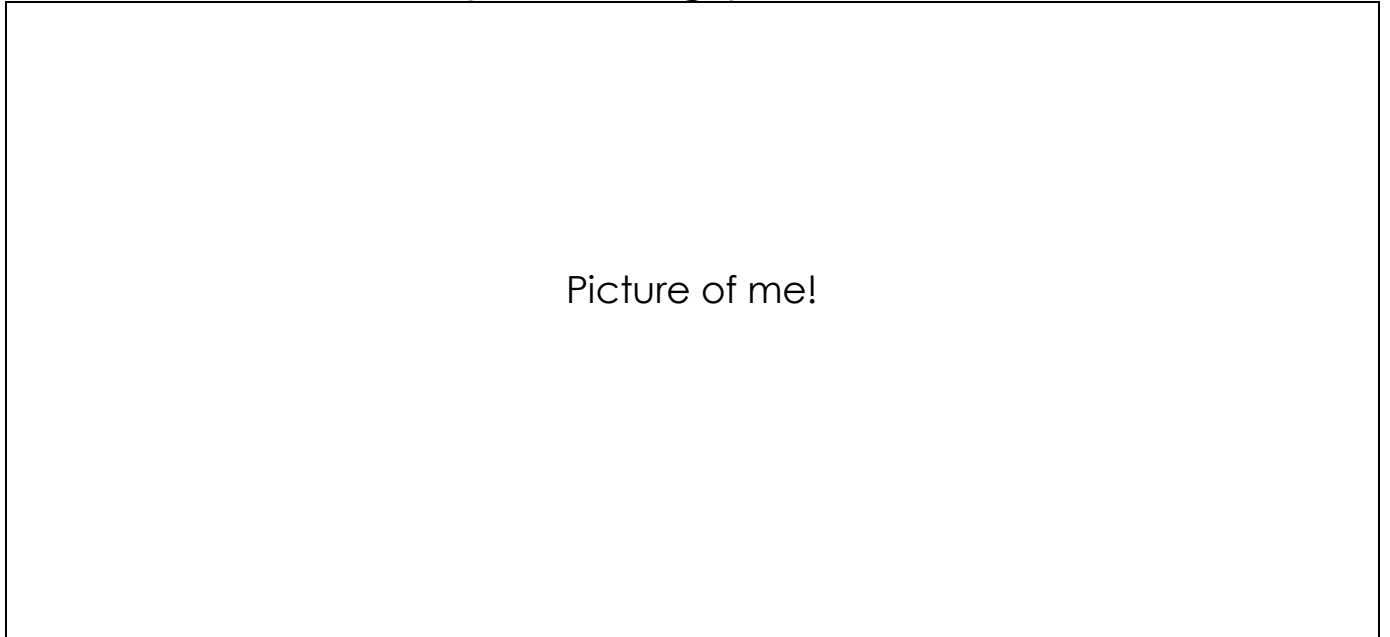
These are important because:

Structures and Materials – Grade 3 Science

SM 3.2 Assess the function and characteristics of strong, stable and balanced natural and human-built structures.

SM 3.2 (I) Illustrate the construction process for a simple structure, including description of the components of the structure using labelled drawings, written and oral explanations and demonstrations.

My building process



Picture of me!

A LABELLED drawing of my structure



Structures and Materials – Grade 3 Science

SM 3.2 Assess the function and characteristics of strong, stable and balanced natural and human-built structures.

This is what I did to make my structure:

SM 3.2 (m) Assess the strength, stability and balance of personally- constructed structures and make changes to improve the structures as deemed necessary.

SM 3.2 (n) Identify materials or part of the structure that failed and hypothesize why they failed.

MY FAIR TEST!

This is how I tested my structures strength and stability:

Results

STRENGTH	<i>Excellent</i>	<i>Good</i>	<i>Not Good</i>
STABILITY	<i>Excellent</i>	<i>Good</i>	<i>Not Good</i>

What did my tests results tell me?

What was the weakness of my structure?

What was the strength of my structure?

I would change these things to improve my structure.

Explain why you would change these things:

1.

2.

3.

4.

Structures and Materials – Grade 3 Science

SM 3.2 Assess the function and characteristics of strong, stable and balanced natural and human-built structures.