

Summative Assessment #4 for How Can We Move Our Principal?



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What Kind of Machine?

Summative Assessment #4 – (Day 10 of the unit)
Constructed Response

Duration:

One full day

Standard(s) Assessed:

SC.C.2.2.1.3.1, SC.H.3.2.1.3.1, SC.H.3.2.2.3.1

Description of Assessment Activity:

Students complete an assessment form while viewing classmates' machines and reports. Students are being graded on their understanding of simple machines, the effects of these machines on human health and lifestyle, and the use of reference materials for science content. They are not being graded on their actual projects. The individual projects are used as a tool for classmates to demonstrate their understanding of the standards.

Teacher Directions:

Allow individual students to present their machines and reports. Classmates are not allowed to discuss the machines or reports during presentations. After each presentation, allow students to complete the appropriate portion of the form. Students need only write on one presentation per type of machine, so all presentations will not be represented on the completed forms.

Student Directions:

As your classmates show their machines and reports, complete the form "What Kind of Machine." You only need to write on ONE machine presented for each category.

Scoring Method & Criteria:

A majority correct in any of the categories will be considered mastery of that standard. Grade assignments are left to the discretion of the individual teachers. See the Teacher Answer Key (page 4) for criteria and examples.

Name _____
Date _____

What Kind of Machine? Summative Assessment #4

Select ONE presentation from each of the types of simple machines. Complete the chart using information from the chosen machines. Different answers must be used for the last two columns. For instance, you cannot write “book” for every answer.

Type of simple machine	Student's Name	Where can information on this machine be found?	How does it affect health or lifestyle?
Lever			
Wheel & axle			
Pulley			
Inclined Plane			
Screw			
Wedge			

Name _____
 Date _____

What Kind of Machine?

Summative Assessment #4

Answer Key

Select ONE presentation from each of the types of simple machines. Complete the chart using information from the chosen machines. Different answers must be used for the last two columns. For instance, you cannot write “book” for every answer.

Type of simple machine (SC.C.2.2.1.3.1)	Student's Name	Where can information on this machine be found? (SC.H.3.2.1.3.1)	How does it affect health or lifestyle? (SC.H.3.2.2.3.1)
Lever	<i>This area is for identification purposes only</i>	<i>Encourage a variety of responses. Responses should include those mentioned by the presenter from the report.</i> <i>Accept any appropriate responses. For example, if the student's dad is a handy ma, and tells the student all about pulleys, "my dad" is an appropriate response. However, if a student has not seen their dad for several months, "my dad" is not appropriate.</i>	<i>Responses should pertain to the presenter's project and report.</i> <i>Example answers:</i> <i>Pulleys make it easier to open the curtains.</i> <i>Screws help us put lids on jars sothat our food stays clean.</i> <i>Wedges are sharp and help us cut up our food.</i> <i>Wheels and axles on wheelchairs help people that can't walk.</i> <i>Inclined planes help us lift heavy things, such as putting the lawnmower in the back of the truck.</i> <i>Levers help us to open cans of food.</i>
Wheel & axle			
Pulley			
Inclined Plane			
Screw			
Wedge			

A majority correct in any of the categories will be considered mastery of that standard. Grade assignments are left to the discretion of the individual teachers.