



American Samoa Technician Education Readiness Pathway Project (TERPP)
STEM Guitar Building
Lesson Plan



Instructor: Kenneth L. Jagon

Subject: Woodworking

Tape Measure Reading

Description of Activity

In this lesson, students will learn the basic functions of a tape measure and how to read it to determine proper measurements. This will include the proper reading of measurements in both inches and feet. As well as the proper way to use a tape measure in a carpentry environment.

Learning Objectives:

(List measurable objectives.)

1. Students Will Be Able To Read a tape measure starting at 1", $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{16}$, of an inch.
2. Students Will Be Able To: use tape measure in a proper way.

Standards:

| | |
|----------------|--|
| STANDARD: 3 | The student will be able to read and understand drawings, prints, and plans and know how to read measuring tools to the $\frac{1}{16}$ of an inch, and understand the metric system. |
| BENCHMARK: 3.1 | The students will demonstrate reading the scale correctly to the $\frac{1}{16}$ of an inch. |

Materials Required:

1. Computer or Tablet
2. Web browser with internet access for each student
3. Tape Measure or 12" Ruler

Safety:

N/A

References:

- Website: www.guitarbuilding.org
<https://www.math-aids.com/>
ASDOE Curriculum
Book: **Algebra 1 (an incremental Development)**
Tape measure,

Quiz

<https://docs.google.com/document/d/134zRX5IA2weXw7fWcWhnxyx-Q0b6vKaK/edit>

Assessment Key:

1. $1/16$
2. $1/8$
3. $1/4$
4. $5/16$
5. $3/8$
6. $7/16$
7. $1/2$
8. $9/16$
9. $5/8$
10. $11/16$
11. $3/4$
12. $13/16$
13. $7/8$
14. 1

- A. $1/16$
- B. $1/4$
- C. $5/16$
- D. $7/16$
- E. $1/2$
- F. $11/16$
- G. $3/4$
- H. $7/8$
- I. 1
- J. $1\frac{1}{8}$
- K. $1\frac{3}{8}$
- L. $1\frac{1}{2}$
- M. $1\frac{13}{16}$

- N. $1 \frac{15}{16}$
- O. 2
- P. $2 \frac{1}{16}$
- Q. $2 \frac{1}{8}$
- R. $2 \frac{3}{8}$
- S. $2 \frac{5}{8}$
- T. $2 \frac{3}{4}$
- U. $2 \frac{7}{8}$
- V. $3 \frac{3}{16}$
- W. $3 \frac{11}{16}$

Reviewing Faculty Cohort Members:

[Kenneth Jagon](mailto:kenneth.jagon@doe.as) NVTHS, Construction Trades kenneth.jagon@doe.as

[Seanette Thompson](mailto:seanette.thompson@doe.as) NVTHS Mathematics seanette.thompson@doe.as

Ailen Borres NVTHS Science ailen.borres@doe.as