

Subject (grade): Workplace and Apprenticeship Math 10 (WA10) & Workplace and Apprenticeship 20 (WA20)

Lesson Title: Introduction

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Timeframe:

Introduction:

5 – 10 minutes

Choosing your Word:

10 – 20 minutes

Designing your Word:

20 – 60 minutes

Desired Results:

Objectives/Outcome(s)/Indicator(s):

NONE

Key Understanding ('I can' statements):

1. I can choose a medium I have the most experience with creating something and have fun building.
2. I can choose a word that I want to create that is school-appropriate.

Assessments:

In this lesson, I will be assessing:

Assessment of Learning (*Formative*): I will be assessing the student's medium that the student used in their project.

Assessment of Learning (*Summative*): I will be assessing the student's calculations that they do in their project, and how accurately they do their math.

See **WA10 and WA20 Rubric** for assessment.

Procedures:

The procedures for this lesson are:

1. I would introduce the project and explain what they will be doing.

WA 10/20:

1. They will choose a word that has a personal connection with the word.

2. They will choose a medium that they want to create the word. Parameters of the medium:
 - a. You cannot use text tools (Online only) to create your word. It has to be done by hand.
 - b. The medium should be easily identified and be able to calculate perimeter, area, volume, and mass.
3. They will also need to bring all of their materials for the chosen Medium that they want to do.

WA 10:

4. They will use graph paper (found in Worksheet 3) to first design the word and then they can also use a scale to figure out the Area, and volume for their word.
5. Using WA10 Creation of a Font: Timecard they will record how much time they worked on their project.

WA 20:

3. They will use graph paper (found in Worksheet 1: Scale) to start designing their word.
4. They will also determine a scale factor between the two mediums.

Additional Procedures:

See Lesson 2 (10/20).

Materials:

The students will need the following documents:

WA 10:

- Worksheet 3: Timecard
- Worksheet 1: Perimeter, Area, Volume & Mass.

WA 20:

Worksheet 1: Scale

You (teacher) will need:

None

Resources:

Click [here](#) to find more information.

Adaptions/ Differentiations:

One adaptation is for their word is a new word they would like to explore.

Another adaptation is that they can use a word in a different language and translate it into English.

Management Strategies:

Please see [Timeframe](#).