

## TECHNOLOGY VOCABULARY WORD A DAY

### Performance Standard 1A.J

Students will develop their own vocabulary list by presenting to the class one technology vocabulary word each day from a selected list of technology instruments and terms on the student task sheet. Each student will provide the word's definition(s), use it in a sentence and present the word to the class orally. Class members will take notes on vocabulary words and prepare for an assessment at the end of the assignment accordingly:

- *Developing a presentation plan:* include parts of plan (e.g., original sentence, word analysis, definition(s), new sentence, memory aid).
- *Presenting to the class:* present the parts of the assignment; answer questions about the word or its use; link memory aid to the word.
- *Assessing:* (double this score) identify definitions, word analysis and use in a sentence.

### Procedures

1. ***In order to apply word analysis and vocabulary skills to comprehend selections (1A)***, provide students with sufficient learning opportunities to develop the following :
  - Analyze and interpret specialized vocabulary/terminology.
  - Apply knowledge of word origins and derivations in a variety of practical settings.
  - Extend ideas and enrich vocabulary through independent exploration of words.
  - Select/use strategies to analyze the meaning of abstract concepts to facilitate comprehension.Students need to know selected technology vocabulary words in order to communicate with associates and supervisors in the world of work. This assessment aligns with the Illinois Workplace Skills D4 (Communicating on the Job/Prepare written communication) and D5 (Communicating on the Job/Follow written directions).
2. Have students review and discuss the assessment task and how the rubric will be used to evaluate their work.
3. The teacher may select text from which the vocabulary words are taken, or the class may determine which pages they can search to find the words.
4. Each student will be assigned the task of selecting, researching and reporting on one technology vocabulary word from the selected list of technology instruments and terms on the student task sheet. The word(s) should be announced to the class to avoid duplication.
5. Each student prepares a short teaching activity and memory aid to present the word to the class. These presentations should be limited to two minutes each with three or four presentations each day. (See the attached "Technology Vocabulary Word a Day" task sheet and directions.)
6. The teacher may assign the specific day to present each word.
7. At the assigned time, the student will present a short teaching activity, including the memory aid, definitions, sample sentence using the word, etc.
8. Each student will take notes on the definition(s) and use(s) of the word and prepare his/her word list for review and study. An assessment over randomly selected words from the list will be given after all words have been presented. (See assessment template.)
9. Evaluate each student's performance using the rubric. Add each student's scores to determine the performance level.

### Examples of Student Work

- [Meets](#)
- [Exceeds](#)

### Time Requirements

- 8 - 10 minutes for the daily teaching of vocabulary words
- 15 - 20 minutes for the assessment

### Resources

- Technology Vocabulary Word a Day directions and sign-up sheet
- Vocabulary notebook
- Assessment template
- Selected list of technology instruments and terms
- Technology Vocabulary Word a Day Rubric

**TECHNOLOGY VOCABULARY WORD A DAY**  
Directions and Sign-Up Sheet

Name: \_\_\_\_\_ Week of: \_\_\_\_\_

Source/Title: \_\_\_\_\_

Author: \_\_\_\_\_ Publisher: \_\_\_\_\_

**Directions:** Each class member will sign up to present a technology vocabulary word from the student task sheet. Class members are expected to take notes on all the presentations. It is your responsibility to teach your classmates the word you chose. You will be responsible for answering classmates' questions while teaching the term. Bring a picture, personal story or prop to help everyone remember what your word means.

**Presentation Plan:**

1. Original sentence and page number
2. Word analysis (may include part of speech, prefixes, suffixes, synonyms, root word and etymology)
3. Definition(s)
4. Your own sentence
5. Symbol, object, prop or other memory aid

Assignment List:

NAME	PAGE NUMBER	SHARE DATE	WORD
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Adapted from Katherine Kuta, *What a Novel Idea*, Activity 47

**TECHNOLOGY VOCABULARY WORD A DAY**

NAME \_\_\_\_\_ DATE \_\_\_\_\_

- Exceeds standard (must receive 15 - 16 total points)
- Meets standard (must receive 11 - 14 total points)
- Approaches standard (must receive 7 -10 total points)
- Begins standard or absent (must receive 4 - 6 total points)

	<b>Presentation Plan</b>	<b>Presentation to Class</b>	<b>Assessment (double this score)</b>
<b>4</b>	<ul style="list-style-type: none"> <li>• All parts of plan are correct:               <ul style="list-style-type: none"> <li>○ Original sentence</li> <li>○ Word analysis</li> <li>○ Definition(s)</li> <li>○ New sentence</li> <li>○ Memory aid</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• All parts of the assignment are presented clearly and accurately.</li> <li>• All questions about the word or its use are answered accurately.</li> <li>• Memory aid clearly linked to the word.</li> </ul>	<ul style="list-style-type: none"> <li>• Student correctly identifies all of the following:               <ul style="list-style-type: none"> <li>○ Definitions</li> <li>○ Word analysis</li> <li>○ Use in a sentence</li> </ul> </li> </ul>
<b>3</b>	<ul style="list-style-type: none"> <li>• Four parts of plan are correct:               <ul style="list-style-type: none"> <li>○ Original sentence</li> <li>○ Word analysis</li> <li>○ Definition(s)</li> <li>○ New sentence</li> <li>○ Memory aid</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Most parts of the assignment are presented clearly and accurately.</li> <li>• Most questions about the word or its use are answered accurately.</li> <li>• Memory aid clearly linked to the word.</li> </ul>	<ul style="list-style-type: none"> <li>• Student correctly identifies most of the following:               <ul style="list-style-type: none"> <li>○ Definitions</li> <li>○ Word analysis</li> <li>○ Use in a sentence</li> </ul> </li> </ul>
<b>2</b>	<ul style="list-style-type: none"> <li>• Two or three parts of plan are correct:               <ul style="list-style-type: none"> <li>○ Original sentence</li> <li>○ Word analysis</li> <li>○ Definition(s)</li> <li>○ New sentence</li> <li>○ Memory aid</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Some parts of the assignment are presented.</li> <li>• Some questions about the word or its use are answered accurately.</li> <li>• Memory aid linked to the word.</li> </ul>	<ul style="list-style-type: none"> <li>• Student correctly identifies some of the following:               <ul style="list-style-type: none"> <li>○ Definitions</li> <li>○ Word analysis</li> <li>○ Use in a sentence</li> </ul> </li> </ul>
<b>1</b>	<ul style="list-style-type: none"> <li>• None or one part of plan is correct:               <ul style="list-style-type: none"> <li>○ Original sentence</li> <li>○ Word analysis</li> <li>○ Definition(s)</li> <li>○ New sentence</li> <li>○ Memory aid</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Few or no parts of the assignment are presented clearly and accurately.</li> <li>• Few or no questions about the word or its use are answered correctly.</li> <li>• Memory aid does not apply to the word.</li> </ul>	<ul style="list-style-type: none"> <li>• Student correctly identifies few or none of the following:               <ul style="list-style-type: none"> <li>○ Definitions</li> <li>○ Word analysis</li> <li>○ Use in a sentence</li> </ul> </li> </ul>
<b>Score</b>			

### ASSESSMENT TEMPLATE

Directions: Complete the definitions of the following words

	<b>Word</b>	<b>Definition</b>
1		
2		
3		
4		
5		

Directions: Give the part of speech and one other word analysis element for each of the following words.

	<b>Word</b>	<b>Part of Speech</b>	<b>Additional word analysis element</b>
1			
2			
3			
4			
5			

Write one sentence for each of the following words. Use the word correctly.

**Word**                  **Sentence**

- 1.
- 2.
- 3.
- 4.
- 5.

**TECHNOLOGY VOCABULARY WORD A DAY**

List of Technology Instruments and Terms

<b>Mechanical System</b>	<b>Fluid System</b>	<b>Electrical System</b>	<b>Thermal System</b>
Angular acceleration	Absolute pressure	Alternating current (AC)	Absolute zero
Angular displacement	Archimedes' principle	Ammeter	Adiabatic process
Angular impulse	Barometer	Ampere (A)	Boiling point
Angular momentum	Bernoulli's principle	Amplitude	British thermal unit (Btu)
Average acceleration	Buoyancy	Battery A	Calorie (cal)
Average speed	Buoyant force	Capacitance	Convection
Average Velocity	Density	Capacitor	First law of thermodynamics
Coefficient of friction	Drag	Conductor	Heat flow rate
Elasticity	Fluid	Coulomb (C)	Insulation
Foot. Pound (ft. lb.)	Fluid resistance	Coulomb's law	Kelvin (K)
Force	Gage pressure	Current	Temperature
Friction	Hydraulic system A	Direct current (DC)	Thermal conductivity
Gravitational acceleration (g)	Viscosity	Electrical force	Thermal resistance
Gravitational force		Electrical resistance	Thermometer
Horsepower (hp)		Electric charge	
Kilogram (kg)		Electric field	
Lever arm		Electric field lines	
Mass		Electric potential difference	
Meter (m)		Electromagnetic induction	
Newton		Electromotive force (EMF)	
Pound (Lb.)		Electron volt (eV)	
Torque		Elementary charge (q)	
Vector quantity		Farad (F)	
		Henry (H)	
		Hertz (Hz)	
		Inductance	
		Inductor	
		Joule (J)	
		Kilowatt-hour (kWh)	
		Ohm (Q)	