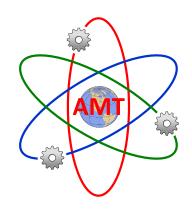
I CERTIFY THAT ALL SEMESTER 3/TPS OUTCOMES HAVE BEEN **COMPLETED:**

DATE

SIGNATURE

AMT Leader





Manufacturing Core Exercises

Advanced Manufacturing Technician

MCE 3: TPS-M

Outcomes

AMT Semester 2 Manufacturing Core Exercise Activity Outcomes TOYOTA PRODUCTION SYSTEM for MAINTENANCE
Complete initial TPS-M training.
Explain the "Value Added Product."
Explain the Maintenance "Value Added Product."
Explain Value-Added Work and Necessary Work.
Explain how Toyota earns profit.
Draw/fill-in all elements of the TPS-M House.
Explain each element of the TPS-M House.
State each of the 3 M's and the 7 Mudas.
Explain each of the 3 M's and the 7 Mudas.
Complete Standardized Work Exercise (JIS/WIS).
Complete Problem Solving Work Exercise (Step 1)
Complete Kaizen Exercise (School)
Complete Pokayoke Exercise (School)
Complete Takt Time Exercise.
Identify an example of Heijunka.
Identify 2 examples each of Mura, Muri and Muda.
Re-take and Pass the TPS-M tests (end of semester).
Submit an essay on TPS.

TPS Essay

You have completed your TPS for Maintenance (TPS-M) Exercise Outcomes. You have also participated in activities to deepen your understanding of TPS. As your understanding of TPS has increased you should have begun seeing your workplace and your school in a different light. This essay will reflect on whether or not you think that your workplace or school exhibits good TPS practice.

Your assignment is to write an essay discussing the TPS condition of your workplace or school.

Another goal of the essay is to give you the opportunity to develop your good writing skills, both in using effective writing basics such as grammar, structure, and spelling, and in effectively communicating a message.

Guidelines:

- Length: 1-3 pages.
- in your school? There is much more that can be included.
- converted to Microsoft Word.
- Double check spelling!
- Print a copy of your final product.
- E-mail your file to the following parties:
 - ♦ AMT Leader:
 - ♦ School AMT Coordinator:

 - Additional parties as directed:

• Content: Items to consider include what TPS practices that you see in your workplace or school. What TPS practices do you think that your work place or school lack? Do you see how the practice of, or lack of, good TPS practice affects how well that your company does business? If it was yoru decision, what is the first way that you would strengthen the practice of TPS in your workplace or

• This essay does not need to be foot-noted unless your writing needs it. Use any accepted writing standard or structure that you wish, but be sure to use correct practices and techniques.

• Write in any medium that you wish (paper, computer, etc.) The final product should be in electronic form so that it can be both e-mailed and saved as a file. It should be in a form that can easily be

(e-mail address) (e-mail address) ♦ North American Toyota AMT Regional Assistant: jim.mattingly@tema.toyota.com (e-mail address)

DUE DATE

COMPLETE THE END-OF-SEMESTER TPS-M TESTS. SCORE AT LEAST 80% ON BOTH.

DATE

Include Examples here.

EXPLAIN HOW TOYOTA EARNS PROFIT.

TPS-M Basics

EXPLAIN THE VALUE-ADDED PRODUCT.

DATE

EXPLAIN THE MAINTENANCE VALUE-ADDED PRODUCT.

DATE

EXPLAIN VALUE-ADDED WORK AND NECESSARY WORK.

DATE

DATE

ON THE BLANK FORM DRAW THE HOUSE OF TPS-M. CORRECTLY FILL IN AT LEAST 80% OF CONTENT.

DATE

IDENTIFY AND EXPLAIN 2 EXAMPLES EACH OF MURA, MURI, AND MUDA.

CORRECTLY EXPLAIN EACH ELEMENT OF THE TPS-M HOUSE.

DATE

STATE EACH OF THE 3Ms AND THE 7 MUDAS.

DATE

CORRECTLY EXPLAIN EACH OF THE 3Ms AND THE 7 MUDAS.

DATE

DATE

Include Examples here.

IDENTIFY AND EXPLAIN AN EXAMPLE OF HEIJUNKA.

DATE

Include Example here.

Include an example of a real Step 1 Problem Solving example here (if your workplace or school has it):

COMPLETE THE STANDARDIZED WORK EXERCISE.

DATE

COMPLETE THE PROBLEM SOLVING EXERCISE. DATE

COMPLETE THE KAIZEN WORK EXERCISE.

DATE

Include Before/After Examples here.

COMPLETE THE TAKT TIME EXERCISE.

DATE

Include Example here.