

# 2016-2017 Automotive Technology NTI Assignments

**Class Periods:** 1<sup>st</sup> period, 2<sup>nd</sup> period, 3<sup>rd</sup> period, 4<sup>th</sup> period, 6<sup>th</sup> period, 7<sup>th</sup> period

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**Instructions:**

Write a 3/4-page essay about each of the topics listed below. Include information gathered from technical recourses and from what you have learned thus far in class. Only complete the assignments corresponded with the amount of days missed. Starting on day 6, complete one-word search per day. Assignments are due the next day school is in session.

- Day 1** The Importance of safety in the automotive shop. Topics ranging from eye wear to lift safety and anything in between is perfectly fine.
- Day 2** Employability skills and how to use them effectively. Why is a professional resume so Important?
- Day 3** What is Electromagnetism? Why is it so important to the automotive industry?
- Day 4** The importance of using the correct tool for the job. Why is tool organization important?
- Day 5** Automotive Professionalism. Why is it Important? List some of the liabilities associated with poor automotive service.

## Chapter 19 Engine Cooling System Service

Find the words in the grid. Words can go across, down and in the two forward diagonals.

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J R X L K R L S B Z W W V B M T X V Q P S F Y S
T T G X J V P G I N T H J V F N D Y Z B T L B B N E
N W R Y S R A C C P L W V K N N P W J I V K K X R
M A K X E N R E C C Z I J M Z X F A L V X T W G I
B C J N R P A N K O R C L Q R Y S S M N C J S E
N P R F I R L T L B R K O N X M R N S T K N F S
H N Z Q E Z L R H V H E M N A W D V L Z A H W P
B V N H S J E I N W L X T E E Q Q Y H F N L T A
N P Y K F K L F R I R N T U L C L T G R F L R
L K L R L N F U Q M Y S H T B L O N F V R R N V A
N M B K O Z L G T P Y Z L H O E I U J K M N N H L
K R D K W V O A R E X H Q R Y L S C P J T Q N L
Z Y R G S N W L P L Q T C T O D H Y Q L R Y W E
K M H D Y L S P N L R S L O P H V Z J N I W B L
B R W T S X Y U G E T N C C Z L K M Y L F N Z F
G B M D T H S M Q R X M K K W J J H M R M V G L
T Y V N E M T P V L R K X R M T N T M H N F H O
M T B X M T E J F R E V E R S E C O O L I N G W
T Y Y T Q H M M M L N T K P R M C K Q T K N L S
V Q Z B L E E D H O L E S M S U R G E T A N K Y
N C O O L A N T R E E C O O V E R Y S Y S T E M P S
T H E R M O S T A T I C S P R I N G X M F W H T
L G L M Z M T M T R Y V M T N X C B W T N K J E
M B K P L Y L B B X Z L J T G R M B M L G M V M
    
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<http://jamechaldeman.com>

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|-------------------------|-----------------------------|
| Bar                     | Reverse cooling             |
| Bleed holes             | Scroll                      |
| Bypass                  | Series flow system          |
| Centrifugal pump        | Series parallel flow system |
| Coolant recovery system | Silicone coupling           |
| Cooling fans            | Steam sills                 |
| Core tubes              | Surge tank                  |
| Impeller                | Thermostatic spring         |
| Parallel flow system    |                             |

