

Name: _____

1st Total Percent: _____ %

Period: _____

Partner: _____

2nd Total Percent: _____ %

Date: _____

M.T.H.S. - Auto Tech

Team and Set #: _____

Mr. S. Carlson

LEGO Dacta Unit - Part A: Engineering Skills & Manual Transmissions

Intro to Automotive Engineering Unit Activities Check Sheet - Version 1.1 (One unit sheet per team)

No.	Activity Description	Finish Date	1st Member Percent	2nd Member Percent	Initials
1.	Choose a Partner (5%): Choose your partner and sign-up on the team sheet by your correct LEGO Dacta set number (or letter). Always use "your" numbered set from now on.		5?	5?	
2.	Set Inventory & Chain Check (10%): Do a complete and accurate inventory of your set. Try to make your set complete with any parts from the spare parts bin and be sure to list any missing parts from your set on the Missing Parts List . (Your chain should be 22.5 inches long) Have instructor sign at right for credit.		10?	10?	
3.	Begin Journal (10%): A thorough entry should be made every day that you work and it will be an important part of your grade. It should include 3 parts for each day's dated entry: Did: , Learned: , and Next: . Show instructor all of your journal entries for this unit for signature and credit. One journal per student.		10?	10?	
4.	Card 2 System Skill Development (5%): Do the Card 2 pile (all items on white background)		5?	5?	
5.	Card 3 System Skill Development (5%): Do the Card 3 five gear trains (also on white background).		5?	5?	
6.	Gears & Motor Skills Challenge (5%): Motorize the corrugator on the back of Card 2 using a single or double gear reduction and corrugate 3" of scrap paper from a standing start.		5?	5?	
7.	Read Chapter 34 - Manually Operated Transaxle and Transmission (pp. 366-379) (5%): Take careful note of all pictures, diagrams, and their captions. (You must do the next item to get credit for this one.)		5?	5?	
8.	Do Chapter 34 Q's & A's (p. 379: 1-15) (10%): For most credit use correct Q, A, space form. SEE REVERSE SIDE. One set per student		10?	10?	
9.	Gear Ratios Activity Sheet (15%): Accurately complete the Gear Ratios Activity Sheet. One Activity Sheet per student		15?	15?	
10.	The Challenge (25%): Review the Technology Challenge and try to thoroughly understand the problem to solve and all of the rules before doing anything else.		25?	25?	
11.	Final Inventory (if not continuing into next unit) (?%): Disassemble your device and completely replace all of the parts in your set in the correct bins using inventory sheet and check in your complete set. Include a final chain check of 22.5 inches and a missing parts list. Your final inventory is very important. Do a good job.		?	?	
12.	This Check Sheet Turned In (5%): Include all above parts in order and STAPLE THEM NEATLY to this checksheet and place total percent at top to the right of your name. 0% here if you include any fuzzy spiral notebook papers.		5?	5?	

* | = Instructor's Signature

How To Do Q, A, Space Form

Instructions:

1. Use 8-1/2" x 11" 3-hole notebook paper. Try **NOT** to use spiral bound or 8" x 10-1/2".
2. Write in Your Name and Period # at the top as shown below.
3. Leave a blank space between the Title and Question 1.
4. Write the question number just to the left of the red line.
5. Write in a capital "Q:" just to right of red line and write out question.
6. Write a capital "A:" in the **next open line** as shown below and write out your answer.
7. Leave a blank space at shown below.
8. Start next question as in # 4 above and continue until assignment completed.

	Your Name	Period #
	Chapter #: Chapter Title, Page #'s	
	(Leave this space blank.)	
1.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	
2.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	
3.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	
4.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	