Andrew Simms TCO 363: Assignment 4

	Given a vehicle (CN), the learner will be able	
	to perform an oil change (B). The learner	Upon completion of the oil change process, did you
	should be able to do this with no technical	check that each subordinate skill assessment was
Instructional goal: Learner will replace the oil	problems afterwards.	completed?

I will assume that I am giving the learner a written test because for my project a live demonstration would be best but not a feasible option. Directly below is the skill group from the subordinate skills analysis and the terminal objectives. Below this table is Assignment 4 with the assessment item.

Skill	Terminal Objectives
	If car is on an unlevel surface (CN), learner
	will park car on level surface (B). The learner
	should be able to determine if the car has
A	any possibility of rolling (CR).
	Given the need of an oil change (CN), the
	learner will drain the oil from the engine (B)
	until all the oil capacity has been emptied
В	(CR).
	When it is time to remove the oil filter (CN),
	the learner will identify the oil filter and
	remove it from the car (B) without dripping
С	oil on the engine (CR).
	Once the oil has been drained from the
	engine (CN), the learner will reinstall the oil
	filter and drain plug (B) with 100% efficiency
D	(CR).
	If the drain plug and filter have been
	installed (CN), the learner will be able to fill
	the engine with oil (B) without spilling oil on
E	the engine (CR).
	Given the need to drive the car (CN), the
	learner will be able to check the engine oil
	level (B) and determine if the need to add
	more oil is necessary with 100% accuracy
F	(CR)

		Bloom's	
Skill	Objective	Taxonomy	Assessment Item
			Describe the location of the parked
	Given a driveable vehicle (CN), the learners	<u>.</u>	car. Multiple choice question
	will be able to park the car in a safe place (B)		showing cars parked in precarious
1.1, 1.2	at 100% accuracy (CR).	Intellectual Skill	positions with only one in the
	When the need to access the engine		
	compartment (CN), the learner will engage		Are there more than one
	the hood release mechanism and lift the		mechanisms that must be released
1.3, 1.4	hood (B) with 100% accuracy (CR).	Psychomotor	before the hood can be lifted?
	Given that the learner cannot slide under		A rating scale or performance
	the car (CN), the learner will locate the		checklist would be best for this
	appropriate jack points and jack the car up		part. For the purpose of this
	(B) to a level that is high enough for the	Psychomotor,	assessment, where are the jack
2.1	learner to fit underneath the car (CR).	Intellectual Skill	points on your car?
	Given that the car is lifted appropriately		
	(CN), the learner will place an oil drain pan		
	underneath the engine (B) at an appropriate		What would be the best location
2.2	location (CR).	Psychomotor	for oil drain pan?
	Given the appropriate time (CN), the learner		·
	will lie underneath the engine and locate the		
	drain plug and determine the size of the		Is the wrench a metric or US style?
	wrench required to turn the plug (B) with		In general, is the plug a left-hand
2.3, 2.4	100% accuracy (CR).	Psychomotor	drive or right-hand drive
2.3, 2. 1	Once the learner is located underneath the	rsychomotor	arive or right hand arive
	car (CN), the learner will remove the oil		
	drain plug, drain the oil, and remove the oil		
	filter (B) until 100% oil capacity has been		Why is it important to remove the
2.5, 2.6, 3.1	drained (CR).	Psychomotor	oil drain plug before the oil filter?
2.3, 2.0, 3.1	Given the oil drain plug and oil filter has	rsycholliotol	on drain plug before the on filter:
	been removed (CN), the learner will place		Why is it important to place the
	these parts on the oil drain pan (B). The		Why is it important to place the
2.2	drain plug and filter should remain here	B	drain plug and filter on the drain
3.2	until it is time to replace them.	Psychomotor	pan?
	Given that the oil has completely drained		
	(CN), the learner will be able to lubricate the		
	rubber seal of the new oil filter (B) until the		Should you lubricate the seal with
4.1	seal is completely oiled (CR).	Psychomotor	the old oil or new oil?
	Given that the oil has completely drained		
	(CN), the learner will install the oil drain plug		Why should this objective be
	and new oil filter (B) until the two are		completed prior to refilling the
4.2, 4.3, 4.4	torqued to the correct specifications (CR).	Psychomotor	engine with new oil?
	Given that the filter and plug has been		
	installed (CN), the learner will remove the		
	drain pan and lower the car with the jack (B)		What are some possible problems
	until the car has been completely lowered		with not lowering the car after
4.5	(CR).	Psychomotor	finishing the oil change?
	Given the car has been lowered (CN), the		
	learner will use the owner's manual to		If an owner's manual is not
	determine the engine oil capacity (B)		available, what other sources
	without using the internet or other source		could the engine oil capacity be
5.1	(CR).	Intellectual Skill	
5.1	Given the learner has established the oil	ccccaai Skill	
	capacity (CN), the learner will locate the		
	engine oil cap, fill the engine with oil, and		
	replace the cap (B). Success for this		
			What information wight ha
	objective requires that the learner has		What information might be
525254	realized the need for a funnel and has	S I	important for the engine oil cap
5.2, 5.3, 5.4	spilled no more than 0.25 quarts (CR).	Psychomotor	provide the "mechanic"?

	Given the engine has been filled with oil		
	CN), the learner will determine if enough oil		
ŀ	nas been poured into the engine using the		
	oil dipstick (B). Learner will do this until the		Why is it necessary to wipe the
6.1, 6.2, 6.3, 6.4	oil dipstick reads "full" (CR).	Intellectual Skill	dipstick clean and reinsterting it
	Given the engine oil level is not reading		If you keep pouring oil and the
"	'full" (CN), the learner will pour more oil		dipstick never reads "full" what
ļi.	nto the engine (B). Learner will do this until		might you have forgotten to do i
6.5	the oil dipstick reads "full" (CR).	Psychomotor	earlier step?