Grade: 8 Block:		<i>.</i> •			
Date: , 2017		Z	. 1	Ľ,	
Teacher:		.		<u> </u>	
Lesson Title:		ject:	Unit:		Lesson Number:
Hydraulics	Scie	ence	Matter		(7/8)
 Learning Goals: Students will understa property to our advan They will understand Pressure on a gas ch 	tage in hydraulic s that gases can be	systems relative	ly easy to compr	ess at le	ast a small amount.
Preparation:		Mat	terials:		
 Set up materials for 8 Set up station for creating systems including bin for Print handouts 	• • • •	 Water Tub 			
esson Structure:					
 Have t Don't give the Show how to make a Discuss how it Say it helps you Bring of system Attach a stude • 	eets that they will b of Cartesian diver describe in their hem write it down answer away hydraulic syringe thelps to change ou do something e out the frame used one end of the sy ent in the front row They will remotel Point out that the distance	(5min) own wor on their system the direc lse as w l for acti ringe sy ringe sy y compr se syste	rds what they this worksheets (10min) ction of the force /ell vating the diver r stem to the fram ess the cartesian ems can be used	nk is hap remotely e and ha n diver	and the other end to
 Car bra Heavy Split class into groups Some will exa 	machinery	o to two diver a	different station nd answer quest	•	•

	0	Some will create their own hydraulic work	systems and answer questions about how they		
		Have students switch stations after 1	Eminutan		
	0				
	0		will be answering questions and drawing		
		diagrams on their worksheets	helps with an explanation for the Cartesian		
	0	diver.	s helps with an explanation for the Cartesian		
	0	Rotate around between the groups a	nd help drive the conversation while also		
		keeping control of the class			
٠		the students clean up when they are d			
•	Bring	the lesson back to a group discussion			
	 Recap the activities in a group discussion and have students share what they 				
		learned			
		Work together as a class on a final ex			
	0		Il have a full sheet of drawings and discussion		
		about the activities, relating it to what	they have learned about KMT		
Но	mewo	rk:	Assessment Strategies:		
		•			
•					
No	otes Aft	ter First Trial:			
No		ter First Trial:			
Nc •	Thing	ter First Trial: gs to improve on:			
Nc •					
Nc •	Thing o	gs to improve on:			
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Nc •	Thing o	gs to improve on:			
•	Thing o Thing o	gs to improve on:			
•	Thing Thing otes Aff	gs to improve on: gs that went well: ter Second Trial:			
•	Thing Thing otes Aff	gs to improve on: gs that went well:			
•	Thing Thing o otes Aff Thing	gs to improve on: gs that went well: ter Second Trial:			
•	Thing Thing otes Aff Thing o	gs to improve on: gs that went well: ter Second Trial:			