Master List of V5 Workcell STEM Lab Materials

	Lab 1 Industrial Robots	Lab 2 Safety	Lab 3 Manual Movement	Lab 4 Programing Movements	Lab 5 Using Variables	Lab 6 Using End Effectors	Lab 7 Dropping Off Objects	Lab 8 Transporting Objects	Lab 9 Using a Conveyor System	Lab 10 Conveyor Systems and Sensors	Lab 11 Cooperative Systems	Lab 12 Classroom Competitions
VEX Hardware												
VEX V5 Workcell	x	x	x	x	x	x	x	x	x	x	x	x
VEXcode Software												
VEXcode V5	x	x	x	x	x	x	x	x	x	x	x	x
Workcell Build Instructions												
Lab 1: Industrial Robotics	x											
Lab 2: Safety		x	x									
Lab 4: Programming Movements				x	x	x						
Lab 7: Dropping Off Objects							x					
Lab 8: Transporting Objects								x				
Lab 9: Using a Conveyor System									x			
Lab 10: Conveyor Systems and Sensors										x		
Lab 11: Cooperative Systems											x	
Additional Materials												
Device to run VEXcode V5 Software	x	x	x	x	x	x	x	x	x	x	x	x
Engineering Notebook	x	x	x	x	x	x	x	x	x	x	x	x
Micro-USB cable	x	x	x	x	x	x	x	x	x	x	x	x
Seek Checklist			x	x	x	x	x	x	x	x	x	x
Play Checklist			x									
Measuring Device			x									
Dry-Erase Markers (two colors)				x	x	x						
8.5" x 11" Copy Paper				x								
Timer								x	x			
Safety Glasses									x			
Tools for cutting metal (saw, clamps, etc.)									x			
Colored Disks												
1 Red Disk							x	x	x			
1 Green Disk							x	x	x			
1 Blue Disk							x					
2 Red Disks										x	x	x
2 Green Disks								x		x		x
2 Blue Disks										x	x	x
3 Green Disks											x	