



Instructional:	Content	Demonstration	
Performance			
Assessment:	Tests	Projects	Practicals
Laboratory:	Equipment	Protocols	Operations
Career Awareness:	Field Trips	Directed labs	
Employment/SOE			
Vocational	Employment	Job Titles	
Workplace Readiness			
Expectations:	Descriptions		

If you look at early Vo Ag curriculums you will recognize these connecting or linkages between classroom, laboratory and occupational experiences. In fact many curriculums start with job titles and describe them before the elements, activities or applications are even introduced.

In describing curricular processes vocational educators take the "connecting" of instruction, practice and performance for granted. Applications may become "stranded" or fail to show a progression of skill sets (experiences) that connects content to performance. Sometimes activities have no application. Holes develop in the thematic unit and the need to constantly reevaluate applications prevent out of date curriculums. The Connecticut Vo Ag System for example was heavily criticized in 1992 for failing to revise many of its 1950 production applications to the newer applications of plant science and biotechnology. This type of curricular change creates the need of new activities, new protocols, new operation fact sheets, equipment, supplies, it's a lot of work! I find it helpful to first identify the industry applications and group them in a unit. Units are then grouped into a "course." Courses form a program of study.

The Vo Ag curriculum was originally designed to link classroom learning to industry applications. In order to accomplish this you need industry level equipment and the proper "laboratory" to accomplish it. That's why Vo Ag has no size limitation on laboratories, can purchase industry level equipment and reequip at any time. It is the only public school program who has these special provisions.

This can be illustrated by the example below -

Process content - Agriculture Technology - The modern farm tractor, students read the development of the modern tractor, history, manufacturers, impact upon production and problems of erosion, etc (elements).

Experience - Class has a field trip (activity) to a vegetable farm to see minimum tillage (demonstration occupational outcome - student actually learns how to operate a tractor, performs the same procedures on a small plot (application)).

Could the student be assessed doing the above - a "practical" are there "protocols" involved certainly when the "operation" of the tractor is involved. Often the vocational educator skip elements and goes directly to the application - it may be painful to "map out" all the connecting activities but research has shown that young people learn quicker and retain information better when "learning is linked by doing." When curricular elements, activities and applications are organized learning can in fact be facilitated and often accelerated. Curricular elements also provide opportunities to integrate defined skill sets into all three components especially the "skill based activity." By stating "skill based activity" it lets readers know something more in going on than just the activity by allowing the development of predetermined skills. This is especially important. On other newer education initiative is higher order thinking skills (problem solving estimation critical thinking, etc). They can be defined and incorporated into the unit outline.

Supporting the school Vo Ag curriculum is its student organization FFA and teacher supervised occupational experiences.