Statewide Agricultural Science and Technology
Program of Study

Webinar # 2

Element 2 - Alignment & Articulation

Roadmap - Visual

Reynold Gardner

December 10, 2015

Long Term Goal

- All Program of Study would be Synced through - June of 2020
  - Deadline is June 30
    - 6 webinars - building towards the completed product.

Timeline & Future Webinars

- Element 1 – Standards & Content (Oct 5)
- Element 2 – Alignment & Artic. Visual **(Dec 10)**
- Element 3 – Technical Skill Assessment **(Jan 14)**
- Element 4 – Student Support Services **(Feb 18)**
- Element 5 – Professional Development **(May 19)**
- Cover Page & Submission **(June 2)**
- OVATA Summer Conference - **June 21, 2015**
  - Computer lab at Grant Union High School (John Day)

Question for this Webinar

- What are your questions
  - Please post your questions in the Question Section….

- Archival access - http://ovata.org/index.php/statewide-pos

Live Player - KPA... | district.ode.state.or.us | OVATA Administrative Database | GU Home | Downloads | Statewide POS ×

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Did you receive the latest newsletter? Catch up on it in the downloads.

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📄 YouTube_Link_10-1-2015_Webinar

https://youtu.be/8v862T5twTg

Here is the Video Archive of the Statewide Agricultural Science and Technology Program of Study Renewal - Element # 1 – Standards and Content

https://youtu.be/8v862T5twTg

Date added:	10/19/2015
Date modified:	10/19/2015
Filesize:	23 kB
Downloads:	98

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📄 Statewide_AgEd_POS_10-5-2015_Webinar

PowerPoint Statewide AgEd POS 10-5-2015 Webinar

Date added:	10/06/2015
Date modified:	10/06/2015
Filesize:	343.26 kB

Today's Objective Goal

- Identify the required components of Element # 2 Alignment and Articulation or the POS Roadmap / Visual

  – How does this fit with Element #1 Standards and Content

  – Excel or Word Template *

    - Scope and Sequence of your programs courses

    - Dual Credit identification

    - Diploma / Academic course at you high school

    - Engage your Advisory Committee

- Does not have to be the excel template a diagram or chart of courses through college or to employment

Perkins Program of Study Core Elements

1: Standards and Content

2: Alignment and Articulation

3: Accountability & Assessment

4: Student Support Services

5: Professional Development

Program of Study Core Elements

- Element 1: Standards and Content
  - Knowledge and Skill Statements
  - Completed list of Core Courses
  - Completed Skill Sets-to-Course crosswalk/mapping

	E34		fx															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	School		**ABC High school**																Articulates with:
2																			
3	Instructor/s		**Reynold Gardner**																
4																			# Credit to complete
5			**TSA / Required Courses** are courses that once taken, the students have had exposure to the required Technical Knowledge and Skill Standards and would warrent the Technical Skill Assessment.																Reynold_Gard Identify which c are TSA / Requi
6				Credit Amount															
7	Essential Skills (A-I)	AFNR Code	Oregon Code	**Statewide Agricultural Education Skill Sets:** Knowledge & Skills Statement															
8				**Agriculture Education Cluster**															Statewide CC Dual Credi Courses
9	B, D	CRP.04	AG 02.01	Use oral and written communication skills in creating, expressing and interpreting agricultural information and ideas including technical terminology.															
10	C, E, F, H, G	CRP.08	AG 03.01	Solve agriculture problems using critical thinking skills (e.g., analyze, synthesize and evaluate, independently and in teams).															
11	F	CRP.11	AG 04.01	Use information technology tools to access, manage, integrate, create, and communicate agricultural information.															
12	B, D, E	CRP.09	AG 07.01	Use leadership skills in collaborating with others to accomplish agriculture related organizational goals and objectives.															AG 111
13	B, E	CRP.09	AG 08.01	Know and understand the importance of professional ethics and legal responsibilities in agricultural careers.															
14	E	CRP.01	AG 09.01	Know and understand the importance of employability skills for agricultural careers.															
15	F	CRP.11	AG 10.02	Use tools, equipment, machinery and technology to work in areas related to agriculture.															
16	C, E, H,	ABS.02	AG 11.01	Use economic principles to manage agriculture resources and produce products.															

Focus Area: Plant / Horticulture

Statewide CC

Program of Study Core Elements

- Element 2: Alignment and Articulation
  - Statewide and Local evidence of real partnerships
  - Statewide and/or Local Secondary partners
  - Statewide alignment document
  - Statewide articulation agreement
  - Localized POS Visual diagram / Road Map

	Grade	ABC High School Courses Required for Graduation					Agricultural Science and Technology Courses			Dual Credit CC Courses
Secondary	9	English	Mathematics	Science	PE	Careers	Intro to Ag			
		Personal Computers	CTE, Foreign Language, Fine Arts	Foreign Language			Ag Mech I			Ag Mech I + Ag Mech II = Weld 101
	10	English	Mathematics	Science			Animal Science			ANS 121
		Elective	CTE, Foreign Language, Fine Arts				Ag Mech II	Hort I		CSS 101
	11	English	Mathematics	Science			Environmental Sci	Equine Science		
		Elective	CTE, Foreign Language, Fine Arts	Elective			Ag Fabrication	Hort II		
	12	English	Elective				Farm Business Management	Ag Entrepreneurship	Nat Res Workstudy	Ag 111
							Ag Projects		Ag Internship	
						Next Step	BMCC / LBCC / UCC / CCC / KCC / TVCC	OSU / EOU	Industry	
CC Visual										

ABC High School

STATEWIDE Agricultural Science and Technology Program of Study

Career Pathway Plan of Study for ▶ Learners ▶ Parents ▶ Counselors ▶ Teachers/Faculty

This Career Pathway Plan of Study (based on the Agriculture / Natural Resources Pathway) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Graphic Design and Media Pathway	Occupations Relating to This Pathway	Dual Credit / College Crdit
		Interest inventory Administered and Plan of Study Initiated for all Learners							
SECONDARY	9	English/ Language Arts I	Algebra I or Geometry	Earth or Life or Physical Science	World History	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Intro to Ag Ag Mech I		Ag Mech I + Ag Mech II = Weld 101
	10	English/ Language Arts II	Geometry or Algebra II	Biology	U.S. History		Animal Science, Ag Mech II, Hort I		Animal Sci = ANS 121
	11	English/ Language Arts III	Algebra II or Pre-Calculus or Trigonometry	Chemistry	Political Science Economics		Environmental Sci, Equine Science, Ag Fabrication, Hort II		Hort I + Hort II = CSS 101
		College Placement Assessments-Academic/Career Advisement Provided							
	12	English/ Language Arts IV Technical Reading	Pre-Calculus or Trigonometry AP Calculus or Advanced Math	Applied Physics			Farm Business Management , Ag Entrepreneurship, Nat Res Workstudy, Ag Projects, Ag Internship		
									FBM = Ag 111
						Next Step	OSU / EOU	Industry	BMCC / LBCC / UCC / CCC / KCC / TVCC

CC Visual

ABC High School
Statewide Agricultural Science and Technology Program of Study

HIGH SCHOOL	ABC High School		CLUSTER	Ag Food & Natural Resources
Teacher			PROGRAM OF STUDY	Statewide Agricultural Science and Technology Program of Study
			DATE	2015

	GRADE	REQUIRED COURSES							Dual Credit
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES				
SECONDARY	9	Eng I	Algebra I	Biology		Intro to Ag	Ag Mech I		Ag Mech I + Ag Mech II = Weld 101
	10	Eng II	Geometry	Oceanography	World History	Animal Science	Ag Mech II	Hort I	Animal Sci = ANS 121
	11	Eng III	Algebra II	Biology	US History	Environmental Sci	Equine Science	Ag Fabrication	Hort I + Hort II = CSS 101
	12	Eng IV	Pre Calculus	Chemistry	Government/ Economics	Farm Business Management	Ag Entrepreneurship	Nat Res Workstudy	FBM = Ag 111

APPENDIX D

CTE Program of Study Template

SAMPLE provided for illustration ONLY and may be used if desired; plan submission must include a Program of Study visual organizer
The submitted version of the CTE Program of Study template **must** be signed by both the appropriate high school and postsecondary administrator

COLLEGE: ▮▮▮▮▮▮▮

HIGH SCHOOL(S): ▮▮▮▮▮▮▮

CLUSTER: AGNR

PROGRAM OF STUDY: Ag, Food & Natural Resource Systems

DATE: May 2009

	GRADE	REQUIRED COURSES				RECOMMENDED ELECTIVE COURSES / OTHER REQUIRED OR ELECTIVE COURSES / CAREER AND TECHNICAL EDUCATION COURSES			
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES				
SECONDARY	9	English	Math	Physical/Earth/Space Science	Global Studies/Geography	Introduction to Ag Science			
	10	English	Math	Biology	Civics/ US History I	Agricultural Biology	◆ Horticulture/ Forestry	◆ Ag Welding	Ag Mechanics
	11	English	Math	Elective Science-Inquiry	US History II	◆ Adv Animal Science	◆ Horticulture/ Forestry	◆ Ag Welding	
	12	English			Economics/ World History	◆ Adv Animal Science	◆ Horticulture/ Forestry	◆ Ag Welding	SAE Senior Seminar
POSTSECONDARY	Year 1 1st Quarter					ANS 231	AG 111	AG 221	
	Year 1 2nd Quarter					ANS 198			
	Year 1 3rd Quarter								
	Year 2 1st Quarter								
	Year 2 2nd Quarter								
	Year 2 3rd Quarter								

League FOR INNOVATION IN THE COMMUNITY COLLEGE **CCTI**
College and Career Transitions Initiative

Funded by the U. S. Department of Education
(V051B020001)

Required Courses	
Recommended Elective Courses	
Career and Technical Education Courses	
Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses, College Now) (◆=High School to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)	
Mandatory Assessments, Advising, and Additional Preparation	

▮▮▮▮▮▮▮

High School Administrator

▮▮▮▮▮▮▮

Postsecondary Administrator or Community College Dean

ABC High School
Statewide Agricultural Science and Technology Program of Study

COLLEGE	ABC Community College		CLUSTER		Ag Food & Natural Resources
HIGH SCHOOL	ABC High School		PROGRAM OF STUDY		Statewide Agricultural Science and Technology Program of Study
High School Teacher	Teacher Name		2015		2015

		REQUIRED COURSES							Dual Credit
	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES				
SECONDARY	9	Eng I	Algebra I	Biology		Intro to Ag	Ag Mech I		Ag Mech I + Ag Mech II = Weld 101
	10	Eng II	Geometry	Oceanography	World History	Animal Science	Ag Mech II	Hort I	Animal Sci = ANS 121
	11	Eng III	Algebra II	Biology II	US History	Environmental Sci	Equine Science	Ag Fabrication	Hort I + Hort II = CSS 101
	12	Eng IV	Pre Calculus	Chemistry	Government/ Economics	Farm Business Management	Ag Entrepreneurship	Nat Res Workstudy	FBM = Ag 111

		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES				Dual Credit
POSTSECONDARY	Year 1 1st Quarter	WRI 121 English Comp I	MTH 111 College Algebra	BIO 101 Biology I		ANS 121 Intro Animal Sci	CGS 100 College Survival		See college catalog for additional natural resources and agriculture technical courses to bring total number of credits to 90 credits
	Year 1 2nd Quarter	WRI 122 English Comp II		BIO 102 Biology II		ANS 215 Beef/Dairy Ind	CIS 120 Comp Concepts		
	Year 1 3rd Quarter	WRI 227 Tech Writing	MTH 243 Statistics I	BIO 103 Biology III		ANS 220 Intro Horse Sci	Choice from Arts and Letters		
	Year 1 4th Quarter	SPE 111 Fund of Speech		BIO 170 Environmental Sci	ECO 201 Microeconomic				
	Year 2 1st Quarter			CHE 104 Gen Chemistry I	HST 201 US History I	CSS 210 Forage Prod	CAS 170 Spreadsheets	BUS 211 Prin Accounting I	
	Year 2 2nd Quarter			CHE 105 Gen Chemistry I	GEO 107 Human Geog II	CSS 201 Intro to Crops	ARE 211 Mgmt Agriculture	ENV 212 Environ Issues	
	Year 2 3rd Quarter			CSS 150 Intro to Horticulture	CJA 211 Civil Law	HPE 295 Health & Fitness	CSS 205 Prin Crops	TEX 280 Coop Work Exp	
	Year 2 4th Quarter							CWE 280 Coop Work Exp	

| | | Required Courses | | | | | | Recommended Elective Courses | |

Step # 2 Alignment and Articulation

- Multi Step Process
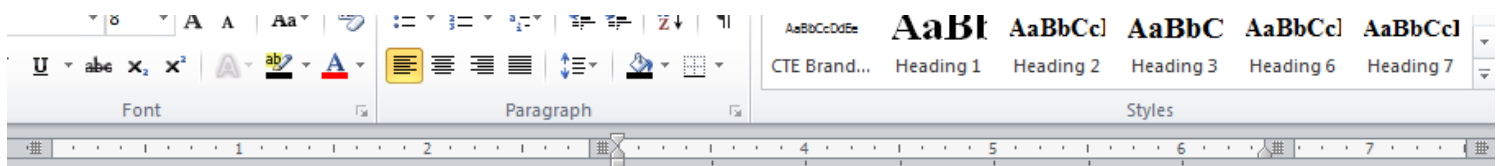- End Result June 30.

  – Program of Study Roadmap / Visual

  – Statewide Narrative *

  – Statewide Professional Development *

  – Statewide Community College alignment *

* Will be done on a Statewide Level

Certification of Assurance / Signatures (June 2016)

- Signatures
  - Local Instructors
  - Advisory Committee
  - Administrators
  - Regional Coordinators
  - State Specialist of Agricultural Education (June 30)

  ** Community College programs will do a group sign in spring of 2016

Statewide Agricultural Education POS	(SW) Agricultural Science and Technology Program of Study
Names of Secondary Schools	
Name of Community College	Blue Mountain CC, Klamath CC, Linn-Benton CC, Treasure Valley Community College, Chemeketa Community College & Umpqua Community College

SECONDARY LOCAL SUPPORT and CERTIFICATE OF ASSURANCE	I have reviewed this program application document for clarity, completeness and adherence to program quality standards, and support its approval. I agree that the CTE program area requirements for secondary CTE programs, including appropriate CTE certification for teachers, the rules and regulations for Public Law 109-270, and the requirements contained in the Oregon State Plan for Career and Technical Education will be complied with in the operation of the CTE programs and services offered by the district or through contract between the district and other agencies, institutions, or individuals. I agree to furnish Agricultural Science and Technology program data as requested by the Oregon Department of Education.
Administrator Signature	Date:
Administrator's Name	Enter Local Administrator's Name
Teacher Signature	Date:
Teacher Name	Enter Local Teachers Name

LOCAL SUPPORT and CERTIFICATE of ASSURANCE	The Advisory Committee has been involved in the design and development of this program.
Advisory Committee Signature	Date:
Advisory Committee Member's name	Enter Advisory Committee Member's Name

POST-SECONDARY LOCAL SUPPORT AND CERTIFICATE OF ASSURANCE	This community college has been involved in the design and development of this CTE program of study and agrees to continue collaboration meeting all 5 Core Elements, especially alignment and articulation and reliable and valid technical skills assessment.
Blue Mountain Community College Administrator's Signature	
BMCC Administrator's Name	
Chemeketa Community College Administrator's Signature	
Chemeketa Administrator's Name	
Klamath Community College Administrator's Signature	
KCC Administrator's Name	
Linn-Benton Community College Administrator's Signature	
LBCC Administrator's Name	
Treasure Valley Community College Administrator's Signature	
TVCC Administrator's Name	
Umpqua Community College Administrator's Signature	
UCC Administrator's Name	

For Regional Coordinator Use Only

Recommended Status:
☐ RECOMMENDED FOR STATE APPROVAL (Perkins Eligible)   Expiration Date: June 30, 2020

Timeline & Future Webinars

- Element 1 – Standards & Content (Oct 5)
- Element 2 – Alignment & Artic. Visual **(Dec 10)**
- Element 3 – Technical Skill Assessment **(Jan 14)**
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- Element 5 – Professional Development **(May 19)**
- Cover Page & Submission **(June 2)**
- OVATA Summer Conference - **June 21, 2015**
  - Computer lab at Grant Union High School (John Day)

Future Years
Professional Development

- High Wage and High Demand Occupations
- Internationality of program development
- Industry credentials

Archived content….

- http://ovata.org/index.php/statewide-pos

Thank you

- Questions

- Reynold Gardner

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