

Student-Teacher-Course Connection

Statewide Roll-Out & General Overview Webinar

Presenters: *Student-Teacher-Course Connection Team*



ESP
Solutions
Group

Agenda

- Introductions
- Program Overview
- AZ Course Catalog
- Mapping Courses in CourseWalk
- State Report Manager (SRM)
- Timeline and Support
- Closing

Introductions

- ADE Team
 - Peter Laing: *Senior Director, Race to the Top*
 - Lisa Levy: *Program Director, IT*
 - Mary Huysentruyt: *Project Manager, IT*
- ESP Solutions Group
 - Barbara Clements: *Vice President*
 - Kyle Ligon: *Project Manager, CourseWalk*
 - Steve King: *Chief Technical Architect*
 - Josh Goodman: *Project Manager, SRM*

Program Overview

- Background
- Objectives
- Approach
- Benefits
- Pilot Participant
Feedback



A photograph of a woman with short brown hair, wearing a grey blazer over a green top, leaning over a table. She is looking at a book held by a young boy with dark hair, wearing a plaid shirt. A young girl with blonde hair in a ponytail, wearing a pink and white polka-dot shirt, is also looking at the book. They are in a library or bookstore, with wooden bookshelves filled with books in the background.

Barbara Clements, ESP Solutions Group

AZ COURSE CATALOG

Why is course alignment important?

- 650+ Arizona LEAs have the potential for 650+ sets of course structures
- Standard courses
 - Assist in evaluating student performance
 - Review the rigor of courses taken by students
 - Help improve instruction
 - Improve the placement of students when they move
 - Provide consistent information in transcripts to postsecondary institutions

What is SCED?

- School Codes for the Exchange of Data
 - Developed by National Center for Education Statistics
- Comprehensive listing of courses offered by schools in most states
 - Secondary
 - Prior-to-Secondary
- SCED provides course titles, descriptions and a coding structure

Arizona Course Catalog

- Started with the national SCED courses
- Added unique Arizona courses
 - Given codes and mapped to SCED
- LEAs retain local course catalogs
- CourseWalk tool used by to map and maintain course codes

Groupings of courses within subject areas

- Earth Science 03001
- Geology 03002
- Environmental Science 03003
- Astronomy 03004
- Marine Science 03005
- Meteorology 03006
- Physical Geography 03007
- Earth and Space Science 03008
- Earth Science 03047
 - Independent Study
- Earth Science 03048
 - Workplace Experience
- Earth Science Other 03049
- Biology 03051
- Biology—Advanced Studies 03052
- Anatomy and Physiology 03053
- Anatomy 03054
- Physiology 03055
- AP Biology 03056
- IB Biology 03057
- Botany 03058
- Genetics 03059
- Microbiology 03060
- Zoology 03061
- Conceptual Biology 03062
- Particular Topics in Biology 03063
- Biology Independent Study 03097
- Biology Workplace Experience 03098
- Biology—Other 03099

Course coding structure

Secondary Course Description

AZ02	125
Mathematics	AP Calculus AB
<i>SUBJECT</i>	<i>TITLE</i>
<i>AREA</i>	

Prior-to-Secondary Course Description

AZ52	051
Mathematics	Pre-Algebra
<i>SUBJECT</i>	<i>TITLE</i>
<i>AREA</i>	

Mapping to the Arizona Course Catalog

Goal – Identify the match between the local courses and the courses in the Arizona Course Catalog and retain the course codes.

Mapping Process – could be done manually, but better done using CourseWalk

What is CourseWalk™?

- Tool that facilitates the matching of local course codes to state or national course code standards
 - Stores local, state and SCED course catalogs in central database
 - Accessible via the Internet to users with CourseWalk™ accounts
 - Makes course mapping recommendations
 - Runs reports to export mapped course catalogs out of CourseWalk™

3 steps to make a correct match

1. Be sure that the subject area is the same for both courses
 - Economics could be a social studies course or a business and marketing course
2. Check to see if there is an exact or near match between the course titles
3. Compare the description of the course in the Arizona Course Catalog
 - Likely to be no **exact** match
 - Look for **similar** content in the local course description

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Mapping local courses to Arizona courses

- Special education courses are not identified as such. Use content and miscellaneous courses.
- Definitions may not be as accurate as you would like. Definitions do not reflect Common Core State Standards yet.
- Your local list is likely longer than the state list
 - Multiple courses may map to the same state course
- Some courses may be mapped to a course called “Other”

A course can have more than one match

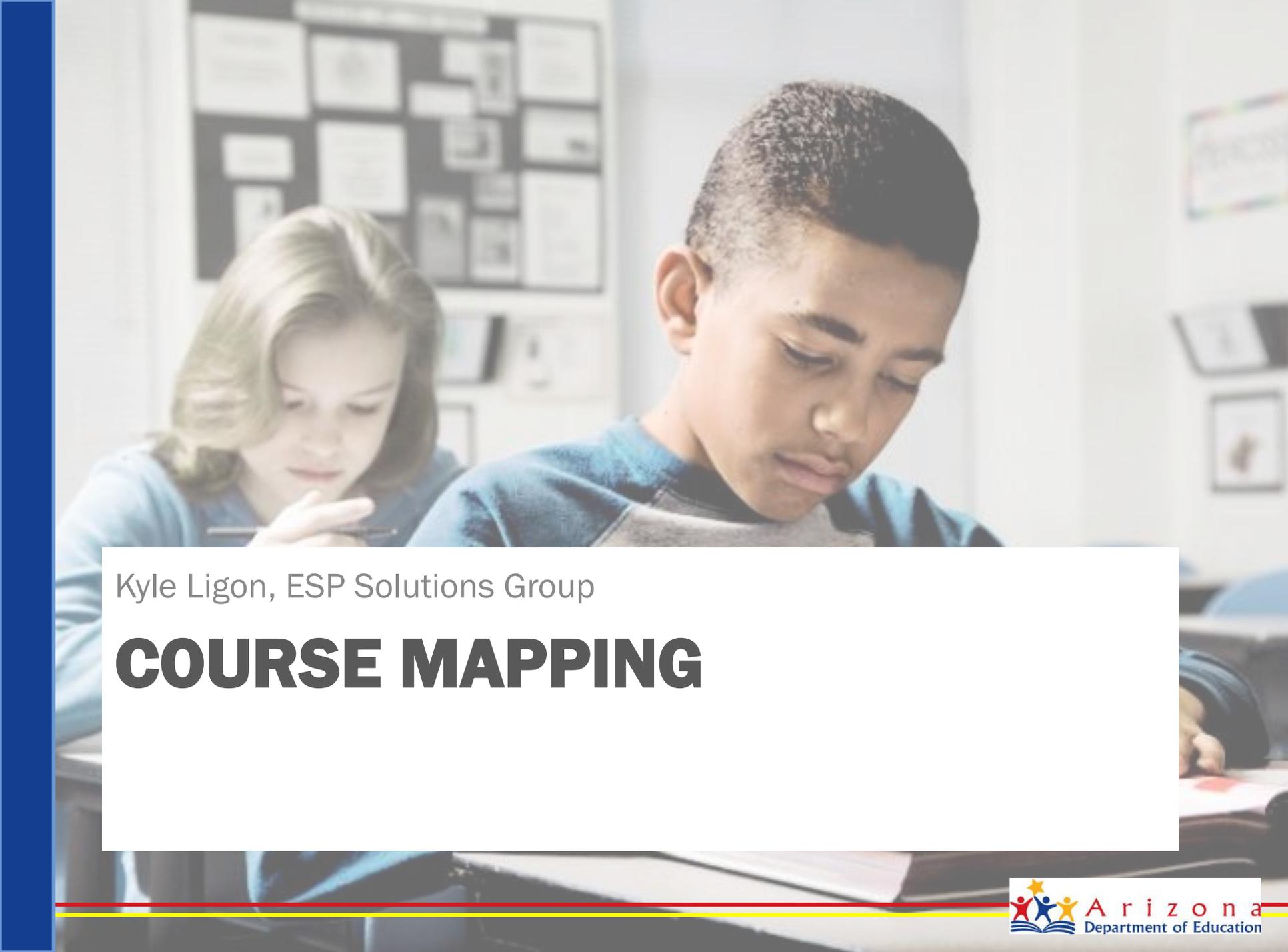
- More than one local course may map to the same state course
- Courses should be roughly equivalent in rigor and content
 - Literature of a genre
 - Westerns, Mysteries, Children
 - Literature of an author
 - Shakespeare, Melville, Seuss
 - Literature of a period
 - Elizabethan, Twentieth Century

When to map courses to “Other”

- At the end of the grouping of Algebra courses in the Subject Area -Mathematics, there are 2 possible courses
 - Particular Topics in Algebra (AZ02058) – The course examines a specific topic in algebra, such as linear equations or rational numbers, rather than providing an overview of algebra concepts
 - Algebra – Other
- When local course covers broad set of topics within a Subject Area, the best match might be the Subject Area Other,
 - Examples: English Language and Literature – Other, Mathematics – Other or Science – Other.
- When using “Other” identify the “Other” course **closest** to the content area

“Other” science courses

- Earth Science 03001
- Geology 03002
- Environmental Science 03003
- Astronomy 03004
- Marine Science 03005
- Meteorology 03006
- Physical Geography 03007
- Earth and Space Science 03008
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- Biology Workplace Experience 03098
- Biology—Other 03099
- **Science - Other 03999**



Kyle Ligon, ESP Solutions Group

COURSE MAPPING

Course Walk Demonstration

- Sandbox
 - www.azed.gov/coursemappingtest
- Production
 - www.azed.gov/coursemapping



Steve King, ESP Solutions Group

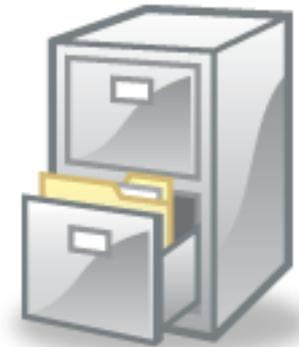
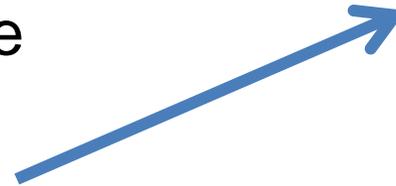
STATE REPORT MANAGER (SRM)

Data collected



Course Sections

- Course Title
- Period
- Teacher(s)
- Other Characteristics



HQT System



Student section enrollment

- Section match information
- Student ID
- Credits earned/grade marks
- Other characteristics



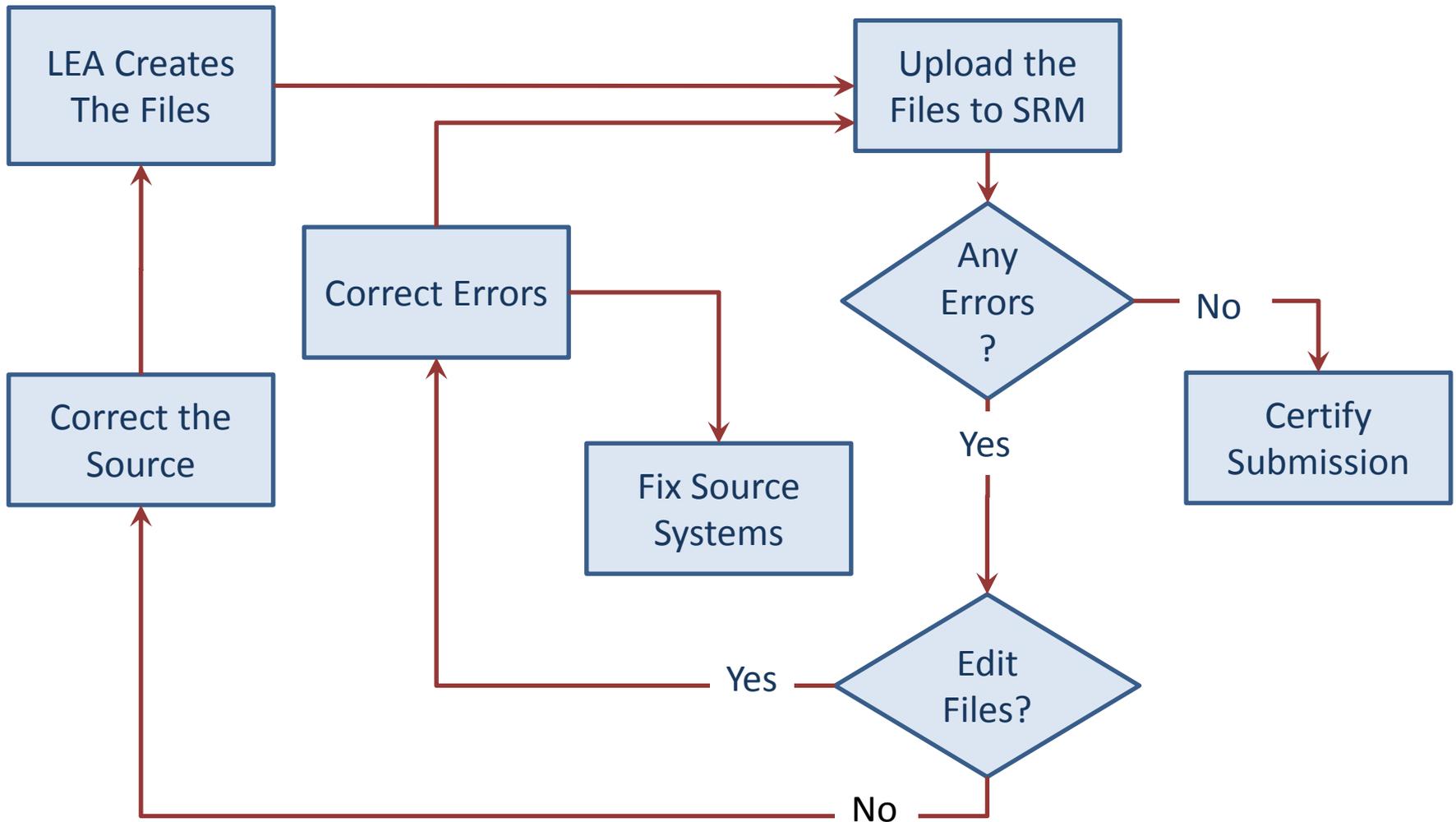
SAIS

Automated data collection

- State Report Manager from ESP Solutions Group
- Upload CSV or TAB file
- Immediate Data Validation prior to Certification
- Friendly Interface
- Common Log-on

The screenshot shows the State Report Manager interface for the Aleutian Region School District. The header includes the district name and the ESP Solutions Group logo. A navigation bar shows the user is logged in as 'District User'. The main content area displays a 'New Trial' button and a 'Latest Trial' section. The 'Latest Trial' section shows a report generated on 10-17-2008 at 1:27pm, with buttons for 'Save', 'Download', 'Revalidate', 'Send to State', and 'Delete'. To the right, there are three icons representing 'Errors (3) Warnings (0)', 'Records (54)', and 'Reports'. A blue banner at the bottom states: 'Submitted: This state report has not yet been sent to the State.'

The process



Identifying Course Sections

- Section = “Specific Instance of a Course”
Example: Marsha Dimes’ Third Period Algebra Class
- Fields Used to Identify a Section
 - AZ LEA and School ID
 - Course Code (local or state)
 - School Year
 - Term
 - Schedule Identifier
 - Period
 - Primary Teacher’s First and Last Name
 - Optional: Unique Section Identifier from SIS

Collection contents – course sections

Item	Name	Description
1	AZ LEA ID	The state assigned unique LEA identifier
2	AZ School ID	The state assigned public or charter school identifier
3	Course Code	The identifying code for the course content
4	Course Code System	The system used for the course identifier- either Local or State. If local course codes are used, the course must be mapped in the CourseWalk system to a state course code.
5	School Year	The school year for this course section in '2011-2012' format. Summer term is considered part of the following school year, i.e. summer 2012 is part of the 2012-2013 school year.
6	Term	A description for the term or session for the course section, for example 'Fall semester' or '2nd Trimester'
7	Schedule Identifier	The unique identifier for the locally defined rotation cycle date code when the class meets (e.g., in a two day schedule, valid values could be "A" and "B", or "1" and "2").
8	Period	An identifier for the period during the day in which this section is held
9	Section Identifier	Some Student Information Systems, PowerSchool for example, have a unique section identifier, which can optionally be reported here.

Collection contents – course sections

Item	Name	Description
10	Term Type	The type of term or session this is.
11	Teacher 1 Last name	The last, family or surname for the primary teacher for the course section as reported in the HQT system
12	Teacher 1 First Name	The first or given name for the primary teacher for the course section as reported in the HQT system
13	Teacher 1 Middle Initial	The middle initial for the primary teacher for the course section as reported in the HQT system
14	Teacher 1 Birthdate	The primary teacher's birthdate as reported in the HQT system
15	Teacher 1 Role	The role of the primary teacher for this course section
16	Teacher 1 FTE	An indication of the percent of time or attention the teacher is giving to this course section. For a sole instructor, the FTE is 1.00. When instructional duties are shared with another instructor, Teacher 2 or 3, then a portion reflecting the relative responsibility for each. In a combination class, the relative responsibility for each group in the course section.
17-22	Teacher 2	< same as 11-16 above >
23-28	Teacher 3	< same as 11-16 above >

Collection contents – course sections

Item	Name	Description
29	Course Begin Date	The date of the first day of instruction
30	Course End Date	The date of the last day of instruction
31	Credits Offered	The number of credits offered for this course (HS Only)
32	Instructional Setting	The instructional setting for the course
33	Low Grade Level	The lowest grade level of students either enrolled in the course or for which the course is targeted
34	High Grade Level	The highest grade level of students either enrolled in the course or for which the course is targeted
35	Is Dual Credit	A flag indicating if students enrolled in this course have the option of receiving both high school and post-secondary credit, regardless of whether any students avail themselves of that option. High School Courses only
36	Concurrent Enrollment	A flag indicating if students enrolled in the course are concurrently enrolled in a post-secondary institution and receiving credit at both levels. High School Courses Only

Collection contents – course sections

Item	Name	Description
37	Is Advanced Placement (HS Only)	A flag indicating that the course curriculum is targeted toward students taking and passing the Advanced Placement exam of the College Board. High School Courses Only
38	Is International Baccalaureate (HS Only)	A flag indicating if the course curriculum aligns with the standards of the International Baccalaureate program. High School Courses Only
39	Is AICE/Cambridge (HS Only)	A flag indicating if the course curriculum is targeted toward students attempting to obtain the Cambridge Advanced International Certificate of Education (AICE) Diploma. High School Courses Only
40	Is Special Education	A flag indicating if the course section is intended solely for students with disabilities receiving services under IDEA
41	Is CTE Certificate (HS Only)	A flag indicating if the course is part of a career or technical education program leading to a specific technical certification. High School Courses Only
42	Is Required for Graduation (HS Only)	A flag indicating if this course is one of the required courses a student must take to meet graduation requirements. High School Course Only

Collection contents – course sections

Item	Name	Description
43	External Provider Name	If the course is being provided by an external organization, e.g. a distance education or virtual course, the name of that providing organization.
44	Provider Teacher 1 Last Name	If the course is being provided by an external provider, the last, family, or surname of the provider's primary instructor.
45	Provider Teacher 1 First Name	If the course is being provided by an external provider, the first or given name of the provider's primary instructor.
46	Provider Teacher 1 Role	The instructional role of the provider's primary instructor
47	Provider Teacher 2 Last Name	If the course is being provided by an external provider, the last, family, or surname of the provider's secondary, if any, instructor.
48	Provider Teacher 2 First Name	If the course is being provided by an external provider, the first or given name of the provider's secondary, if any, instructor.
49	Provider Teacher 2 Role	The instructional role of the provider's secondary, if any, instructor
50	Notes	Any clarifying information for this course section

Collection Schedule

- Align with SAIS
 - First 40 days of the School Year
 - Next 60 days of the School Year
 - End of the School Year

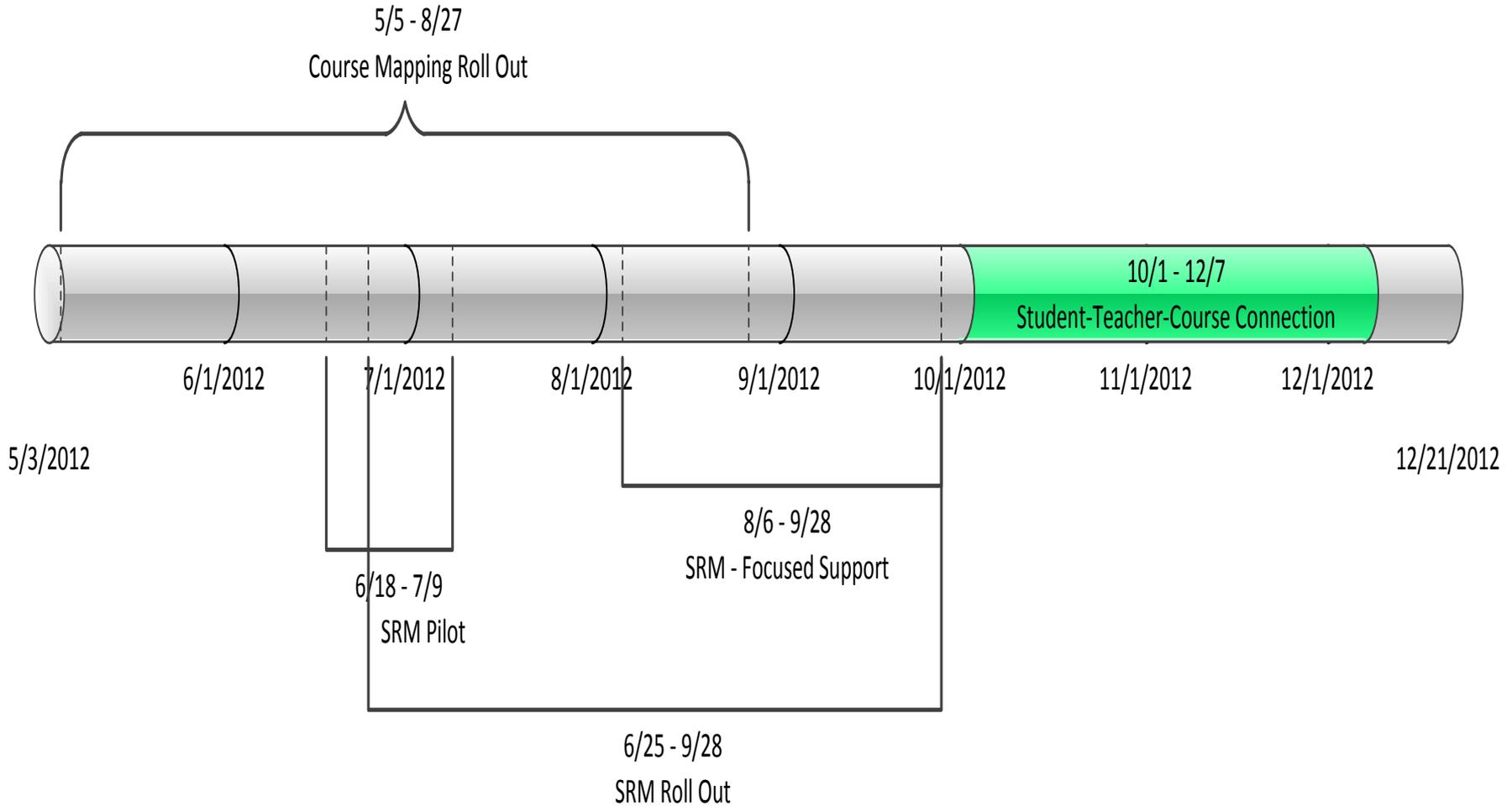
- Include all activity within the collection window



Lisa Levy, ADE and Kyle Ligon, ESP Solutions Group

TIMELINE AND SUPPORT

Timeline



CourseWalk

<u>CourseWalk</u>	Thu 5/3/12	Mon 8/27/12
Statewide Roll-out Kick-off		
Webinar held with LEAs and Charter Holders	Thu 5/3/12	Thu 5/3/12
Follow-Up Q & A Webinar	Tues 5/15/12	Tues 5/15/12
ADE and Vendor face-to-face training at Regional Centers	Mon 5/21/12	Fri 5/25/12
LEA Early Adopter Support	Fri 5/4/12	Fri 6/15/12
Regional Support Roll-out	Fri 5/4/12	Mon 8/27/12
Course Mapping – Align Districts with the AZ statewide course framework via vendor tool.		
Region 1: Apache, Coconino, Navajo	Mon 5/14/12	Tue 7/10/12
Region 2: Maricopa	Tue 5/22/12	Wed 7/18/12
Region 3: Cochise, Pima, Santa Cruz	Tue 5/29/12	Tue 7/24/12
Region 4: Gila, Graham, Greenlee, Pinal	Mon 6/4/12	Mon 7/30/12
Region 5: La Paz, Mohave, Yavapai, Yuma	Mon 6/11/12	Mon 8/6/12
Clean-up	Tue 8/7/12	Mon 8/27/12

State Report Manager

STUDENT REPORT MANAGER (SRM)	Mon 3/12/12	Fri 9/28/12
SIS Vendors(School Information Systems)	Mon 5/7/12	Mon 6/4/12
Engage SIS Vendors	Mon 5/7/12	Fri 5/11/12
Vendors define plans to support roll-out	Mon 5/14/12	Mon 6/4/12
SRM Pilot	Mon 6/18/12	Mon 7/9/12
Engage 8 Districts to pilot the Student Report Manager . Links Students, Teachers and Courses via vendor tool.	Mon 6/18/12	Mon 6/18/12
SRM Roll-out	Mon 6/25/12	Fri 9/28/12
Training Regional Support Centers	Mon 6/25/12	Mon 6/25/12
Regional Webinar to train regions to support roll-out		
SRM Support	Mon 6/25/12	Fri 9/28/12
LEA SRM Early Adopter Support	Mon 6/25/12	Mon 7/30/12
Regional Support Roll-out	Mon 8/6/12	Fri 9/28/12
LEAs Opt-in to prepare SIS file extracts to be submitted on 40th Day		
Region 1: Apache, Coconino, Navajo	Mon 8/6/12	Fri 8/31/12
Region 2: Maricopa	Mon 8/13/12	Mon 9/10/12
Region 3: Cochise, Pima, Santa Cruz	Mon 8/20/12	Mon 9/17/12
Region 4: Gila, Graham, Greenlee, Pinal	Mon 8/27/12	Mon 9/24/12
Region 5: La Paz, Mohave, Yavapai, Yuma	Tue 9/4/12	Fri 9/28/12

Student-Teacher-Course Connection

<u>STUDENT-TEACHER-COURSE CONNECTION</u>	Mon 10/1/12	Fri 12/7/12
LEAs submit data to SRM (40th Day)	Mon 10/1/12	Fri 11/9/12
ID LEAs that are non-compliant	Thu 10/25/12	Thu 11/29/12
Clean-up	Thu 11/1/12	Fri 12/7/12

CourseWalk Questions?

Follow this order

<http://www.azed.gov/racetothetop/stc/stcresources/>

1. Watch the CourseWalk Videos
2. Review the FAQs document
3. Review the CourseWalk Excel Annotated Templates
4. Email stconnection@azed.gov
5. Attend Follow-Up Q & A Webinar on Tuesday, May 15th.

CourseWalk videos available

[CourseWalk Walk-through Start to Finish](#)

[Downloading CourseWalk Templates](#)

[Filling-out CourseWalk Templates](#)

[Uploading CourseWalk Files](#)

[Validation Error Descriptions](#)

[Subject Area Page](#)

[Local Course to State Page](#)

[AutoMapping Local Course to State](#)

[Running CourseWalk Reports](#)

[Versioning and History Tracking](#)

CourseWalk videos

The screenshot shows the CourseWalk interface for 'Local Courses to State'. The page includes a navigation menu, a filter section, and a table of course records. An orange arrow points to the 'Filter' section.

Filter

- Unmapped Only
- Mapped Only
- Mapped Differs from Auto
- All

District: --Select--
School: --Select--
Local Subject Area: --Select--

Courses to Display: 10 [Set]

Records 1 to 3 out of 3

SS026 - Gen Economics	1 st (1) <input checked="" type="radio"/> 201 - Economics 2 nd (1) <input type="radio"/> 206 - IB Economics	3 rd (1) <input type="radio"/> 253 - IB Social Anthropology <input type="radio"/> Unmapped
AA322 - Geometry B	1 st (1) <input checked="" type="radio"/> 055 - Transition Algebra 2 nd (0) <input type="radio"/> 072 - Geometry	3 rd (0) <input type="radio"/> 074 - Principles of Algebra and Geometry <input type="radio"/> Unmapped
G78HLTH31 - Health ED Independent Study	1 st (0) <input checked="" type="radio"/> 003 - Individual Dual Sports 2 nd (0) <input type="radio"/> 001 - Physical Education	3 rd (0) <input type="radio"/> 004 - Recreation Sports <input type="radio"/> Unmapped

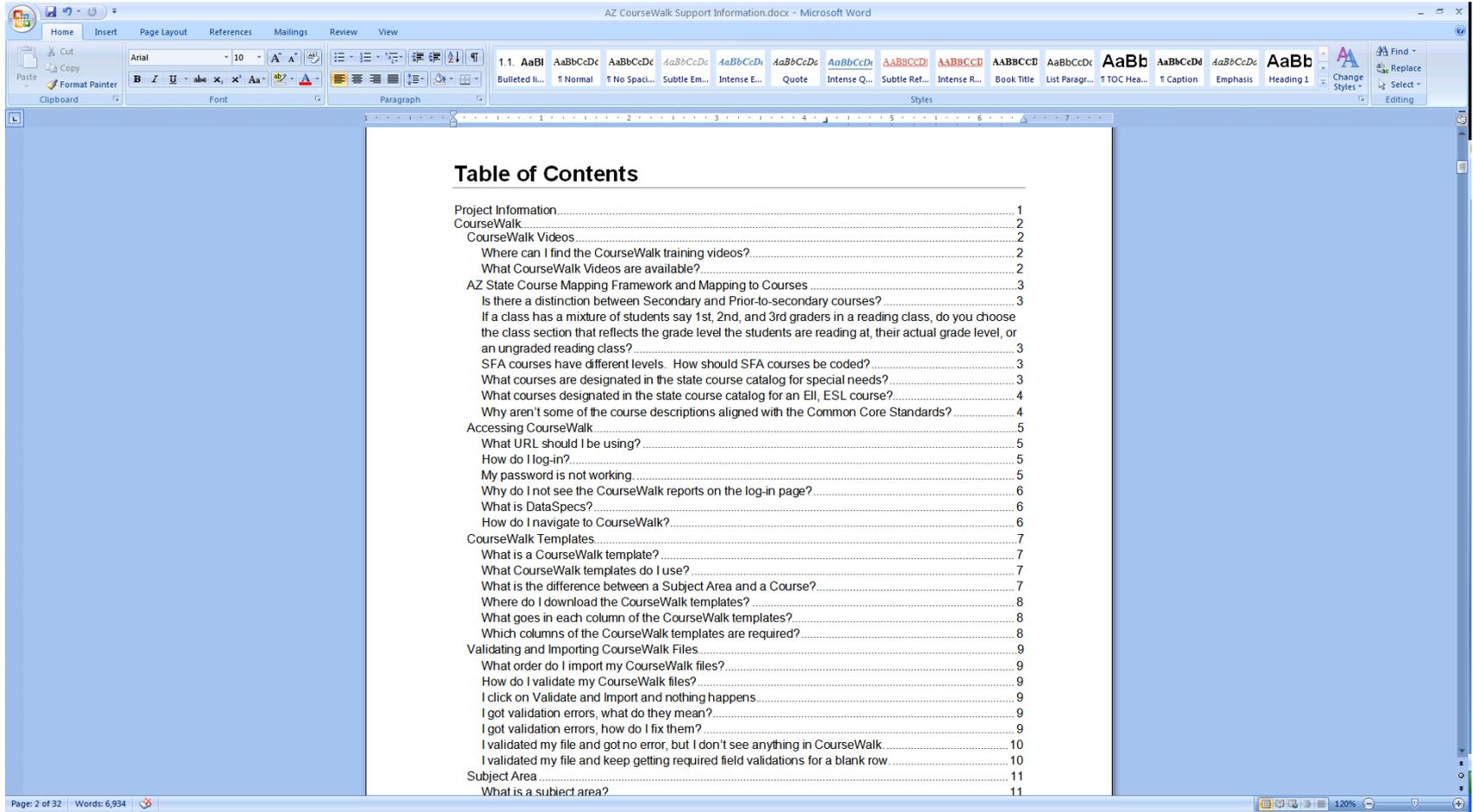
[Save] [Cancel]

CourseWalk FAQs

- Continually updated with help desk questions
- Questions divided into categories in table of contents
 - Making navigation as easy as possible
 - Questions about the Arizona course catalog
 - Clarifications on how to use CourseWalk

<http://www.azed.gov/racetothetop/stc/stcresources/>

Table of contents



The screenshot shows a Microsoft Word document titled "AZ CourseWalk Support Information.docx". The document contains a Table of Contents with the following entries:

Project Information.....	1
CourseWalk.....	2
CourseWalk Videos.....	2
Where can I find the CourseWalk training videos?.....	2
What CourseWalk Videos are available?.....	2
AZ State Course Mapping Framework and Mapping to Courses.....	3
Is there a distinction between Secondary and Prior-to-secondary courses?.....	3
If a class has a mixture of students say 1st, 2nd, and 3rd graders in a reading class, do you choose the class section that reflects the grade level the students are reading at, their actual grade level, or an ungraded reading class?.....	3
SFA courses have different levels. How should SFA courses be coded?.....	3
What courses are designated in the state course catalog for special needs?.....	3
What courses designated in the state course catalog for an ELL, ESL course?.....	4
Why aren't some of the course descriptions aligned with the Common Core Standards?.....	4
Accessing CourseWalk.....	5
What URL should I be using?.....	5
How do I log-in?.....	5
My password is not working.....	5
Why do I not see the CourseWalk reports on the log-in page?.....	6
What is DataSpecs?.....	6
How do I navigate to CourseWalk?.....	6
CourseWalk Templates.....	7
What is a CourseWalk template?.....	7
What CourseWalk templates do I use?.....	7
What is the difference between a Subject Area and a Course?.....	7
Where do I download the CourseWalk templates?.....	8
What goes in each column of the CourseWalk templates?.....	8
Which columns of the CourseWalk templates are required?.....	8
Validating and Importing CourseWalk Files.....	9
What order do I import my CourseWalk files?.....	9
How do I validate my CourseWalk files?.....	9
I click on Validate and Import and nothing happens.....	9
I got validation errors, what do they mean?.....	9
I got validation errors, how do I fix them?.....	9
I validated my file and got no error, but I don't see anything in CourseWalk.....	10
I validated my file and keep getting required field validations for a blank row.....	10
Subject Area.....	11
What is a subject area?.....	11

CourseWalk excel annotated templates

- In-depth descriptions of the CourseWalk templates used by LEAs
- Description of each column and types of values are required
 - With examples for clarification

CourseWalk excel annotated templates

AZ CourseWalk Annotated Templates - Pilot.xlsx - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Add-Ins AbleBits.com

Clipboard Font Alignment Number Styles Cells Editing

1	A	B	C	D
1	Subject Area Code	Subject Area Title	State Subject Area ID	SCED Subject Area
2	local_subject_area_code	local_subject_area_title	state_subject_area_id	sced_subject_area_id
3	Required	Required	Optional	Optional
4	The locally assigned code for the subject area.	The locally assigned title or name for the subject area.	The code for the state subject area to which the local subject area is mapped. *Note: Mapping a local subject area to a state subject area creates better CourseWalk recommendations when mapping local courses to state courses.	The two digit code for the SCED subject area to which the local subject area is mapped. *Note: Mapping a local SCED subject area to a SCED subject area creates better CourseWalk recommendations when mapping local courses to SCED Courses.
5	varchar(100)	varchar(100)	MATCH	MATCH
6	EXAMPLES:			
7	MATH	Mathematics		02
8	0015	Fine Arts		05
9	00127998	Space Exploration		
10				
11				
12				
13				
14	Subject Area Code	The locally assigned code for the subject area.		
15	Subject Area Title	The locally assigned title or name for the subject area.		
16	State Subject Area ID	The code for the state subject area to which the local subject area is mapped. *Note: Mapping a local subject area to a state subject area creates better CourseWalk recommendations when mapping local courses to state courses.		
17	SCED Subject Area ID	The two digit code for the SCED subject area to which the local subject area is mapped. *Note: Mapping a local subject area to a SCED subject area creates better CourseWalk recommendations when mapping local courses to SCED Courses.		
18	Effective Date	The date the subject area becomes/became active for history tracking purposes.		
19	Expiration Date	The date the subject area becomes/became in-active for history tracking purposes.		
20	Version	The version number of the subject area for history tracking purposes.		

Ready

SRM – Coming Soon...

- Data Specification File
 - Available no later than 5/14
- Training Materials
 - Available no later than 6/25

<http://www.azed.gov/racetothetop/stc/stcresources/>

We are Here to Help!

- Single Point of Contact
 - stconnection@azed.gov
- Website
 - www.azed.gov/racetothetop/stc
 - FAQ's
 - Training Videos
 - Documentation Library
- Project Team
 - ADE
 - ESP



Are you ready to get started?

- Send an email to stconnection@azed.gov
 - Subject Line: Course Mapping
 - Include the name and phone number of the primary contact person for your District / Charter Holder
- The project team will contact you with your CourseWalk log-in information within 8 business hours.

Questions



Contact

stconnection@azed.gov

www.azed.gov/racetothetop/stc

(602) 364-1987