

# OVERVIEW OF THE NYSED PROCESS FOR COURSE TO CERTIFICATION MATCHING

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NOVEMBER, 2019



# Why NYSED Performs Certification Matches?

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STATE AND FEDERAL REQUIREMENTS  
REQUIRE THE REPORTING OF  
CERTIFICATION DATA



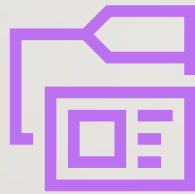
NYS SCHOOL REPORT CARDS, ESSA

# The Current Match Process

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The NYSED Office of Information and Reporting Services (IRS), IT and the Office of Teaching Initiatives Collaborate



IRS manages the collection of course data submitted by teachers/school districts



Teacher credentials are kept in the TEACH database



Matching process is done later in the school year by IT

# CURRENT REPORT GENERATION

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*New York State Education Department  
Information and Reporting Services  
Teachers Teaching Out of Certification on More Than an Incidental Basis*

**C**

*District:*

**2017-2018  
CITY SD**

REG. Asmt.Cert. FTE

*Beds Code:*

<b>6116</b>	MANDARIN CHINESE LANGUAGES	Grade 10	10	Permanent (Life) or Prof.	0.200
<b>6116</b>	MANDARIN CHINESE LANGUAGES	Grade 11	35	Permanent (Life) or Prof.	0.200
<b>6116</b>	MANDARIN CHINESE LANGUAGES	Grade 9	24	Permanent (Life) or Prof.	0.200
<b>4398</b>	OTHER SOCIAL STUDIES-ELECTIVE	Grade 12	7	None	0.200
<b>4398</b>	OTHER SOCIAL STUDIES-ELECTIVE	Grade 11	4	None	0.200
<b>8699</b>	ENGLISH AS A SECOND LANGUAGE	Mixed Sec.	7	None	0.200
<b>4235</b>	LIVING ENVIRONMENT/BIOLOGY-REGEN	Mixed Sec.	7	None	0.200
<b>4235</b>	LIVING ENVIRONMENT/BIOLOGY-REGEN	Mixed Sec.	13	None	0.200
<b>8699</b>	ENGLISH AS A SECOND LANGUAGE	Mixed Sec.	7	None	0.200
<b>8699</b>	ENGLISH AS A SECOND LANGUAGE	Mixed Sec.	7	None	0.200

# Limitations of the Current Process

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- The course codes are from a legacy BEDS collection and not inclusive of all courses being offered.
- The teachers provide a count of students in the class. Under recent federal reporting requirements, NYSED reports counts of both the teachers and students by demographics.
- Districts do not see the reports until later in the SY.
- Districts are not always sure which courses are appropriate for teacher certifications.

# How Can We Improve The Process?

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- Leverage the robust NCES School Courses for Exchange of Data (SCED) collection.
- Use the SCED collection in the NYSED Student Information Repository System (SIRS):
  - Identifies student and teacher attributes for state and federal reporting,
  - Allows for the reporting of co-teaching and push-in situations.
  - Allows for the reporting of a greater variety of courses.
  - Accommodates course and teacher indicators (e.g. CTE course, special ed teacher, primary teacher, ENL teacher)
- Provide the match output early in the school year.
- Identify course and certification combinations used in the Crosswalk.
- Provide LEAs with their staff certifications.

# How Will The New Process Work?

## Three Primary Components

### TEACH Database

Holds teacher credentials

- Certification areas
- Dates
- Certification Types

### School Course Data loaded to SIRS

Aligns teachers, students and courses

### NYSED Crosswalk

Identifies the appropriate courses that can be taught with each certification

# 2019-20 Crosswalk

Course Code (Course ID)	Certification Area Code	Course Code Description	Certification Area Description	Course Subject Area	Course Level	CTE_IND
01001	9026	ELA I (9th grade)	Students With Disabilities - Grades 5-9 - English	English Language and Literature	Secondary	No
01001	5315	ELA I (9th grade)	N-6 & English 7-9 & Spanish	English Language and Literature	Secondary	No
01001	5319	ELA I (9th grade)	N-6 & English 7-9 & Hebrew	English Language and Literature	Secondary	No
01001	4012	ELA I (9th grade)	English Language Arts (Grades 5-9)	English Language and Literature	Secondary	No
01001	4010	ELA I (9th grade)	Nursery, Kindergarten & Grades 1-6 & English 7-9 Extension	English Language and Literature	Secondary	No
01001	4069	ELA I (9th grade)	English Language Arts 7-9 Extension	English Language and Literature	Secondary	No
01001	9051	ELA I (9th grade)	Students With Disabilities - Grades 7-12 - English	English Language and Literature	Secondary	No
01001	5320	ELA I (9th grade)	N-6 & English 7-9 & Latin	English Language and Literature	Secondary	No
01001	5381	ELA I (9th grade)	Pre K-6 & English 7-9 Ext	English Language and Literature	Secondary	No
01001	0099	ELA I (9th grade)	Students With Disabilities - English Language Arts (Grades 5-9)	English Language and Literature	Secondary	No
01001	5317	ELA I (9th grade)	N-6 & English 7-9 & Italian	English Language and Literature	Secondary	No
01001	5316	ELA I (9th grade)	N-6 & English 7-9 & German	English Language and Literature	Secondary	No
01001	5314	ELA I (9th grade)	N-6 & English 7-9 & French	English Language and Literature	Secondary	No
01001	5100	ELA I (9th grade)	English 7-12	English Language and Literature	Secondary	No
01001	5425	ELA I (9th grade)	English 7-12 & 5-6 Ext	English Language and Literature	Secondary	No
01001	5344	ELA I (9th grade)	N-6 & English 7-9 & Korean	English Language and Literature	Secondary	No
01001	4060	ELA I (9th grade)	English 7-9 Extension	English Language and Literature	Secondary	No
01001	5013	ELA I (9th grade)	English Language Arts 7-12	English Language and Literature	Secondary	No
01001	5318	ELA I (9th grade)	N-6 & English 7-9 & Russian	English Language and Literature	Secondary	No
01001	0124	ELA I (9th grade)	English Language Arts (Grades 5-9)	English Language and Literature	Secondary	No
01001	0103	ELA I (9th grade)	Students With Disabilities - English Language Arts (Grades 7-	English Language and Literature	Secondary	No
01001	0158	ELA I (9th grade)	English Language Arts - Special Class	English Language and Literature	Secondary	No
01002	0103	ELA II (10th grade)	Students With Disabilities - English Language Arts (Grades 7-	English Language and Literature	Secondary	No
01002	9051	ELA II (10th grade)	Students With Disabilities - Grades 7-12 - English	English Language and Literature	Secondary	No
01002	5100	ELA II (10th grade)	English 7-12	English Language and Literature	Secondary	No
01002	5425	ELA II (10th grade)	English 7-12 & 5-6 Ext	English Language and Literature	Secondary	No
01002	5013	ELA II (10th grade)	English Language Arts 7-12	English Language and Literature	Secondary	No
01002	0158	ELA II (10th grade)	English Language Arts - Special Class	English Language and Literature	Secondary	No



# Identifying Combinations for Special Populations Ancillary Crosswalks

<b>Special Education Crosswalk</b>		
<b>(Triggered by the Special Education Indicator set to Y on Course Instructor)</b>		
<b>Course Level</b>	<b>Cert_Cd</b>	<b>Cert_Desc</b>
PRIOR TO SECONDARY	3062	Nursery, Kindergarten & Grades 1-6 and Mentally Retarded
PRIOR TO SECONDARY	9013	Students With Disabilities (Birth-Grade 2)
PRIOR TO SECONDARY	0126	Students With Disabilities (Birth - Grade 2)
PRIOR TO SECONDARY	9014	Students With Disabilities (Grades 1-6)
SECONDARY	0086	Students With Disabilities - Grades 7-12 - Generalist
SECONDARY	0103	Students With Disabilities - English Language Arts (Grades 7-12 )
SECONDARY	0104	Students With Disabilities - Mathematics (Grades 7-12 )
SECONDARY	0105	Students With Disabilities - Social Studies (Grades 7-12 )
SECONDARY	0106	Students With Disabilities - Physics (Grades 7-12 )
SECONDARY	0107	Students With Disabilities - Chemistry (Grades 7-12 )
SECONDARY	0108	Students With Disabilities - Biology (Grades 7-12 )
SECONDARY	0109	Students With Disabilities - Earth Science (Grades 7-12 )
SECONDARY OR PRIOR TO SECONDARY	9045	Students With Disabilities - Grades 7-12 - American Sign Language
SECONDARY	9046	Students With Disabilities - Grades 7-12 - Biology
SECONDARY OR PRIOR TO SECONDARY	9047	Students With Disabilities - Grades 7-12 - Cantonese
SECONDARY	9048	Students With Disabilities - Grades 7-12 - Chemistry
SECONDARY OR PRIOR TO SECONDARY	9049	Students With Disabilities - Grades 7-12 - Chinese

# Identifying Combinations for Special Populations Ancillary Crosswalks

<b>Bilingual Crosswalk</b> (Triggered by Home Language in Course Instructor other than ENG)		
<b>Course Level</b>	<b>Cert_Cd</b>	<b>Cert Desc</b>
SECONDARY	0075	Supplementary Bilingual Education Extension
SECONDARY	7091	Bilingual Education (Non-Elementary)
SECONDARY	7093	Bilingual Education Extension
SECONDARY	7991	Extension-Bilingual-Statement of Cont Eligibility-Service Subjects
SECONDARY	7992	Statement Of Continued Eligibility-Bilingual Ed(Nyc)
SECONDARY	7993	Statement Of Continued Eligibility-Bilingual Ed(Buffalo)
PRIOR TO SECONDARY	0075	Supplementary Bilingual Education Extension
PRIOR TO SECONDARY	7091	Bilingual Education (Non-Elementary)
PRIOR TO SECONDARY	7093	Bilingual Education Extension
PRIOR TO SECONDARY	7991	Extension-Bilingual-Statement of Cont Eligibility-Service Subjects
PRIOR TO SECONDARY	7992	Statement Of Continued Eligibility-Bilingual Ed(Nyc)
PRIOR TO SECONDARY	7993	Statement Of Continued Eligibility-Bilingual Ed(Buffalo)

# Identifying Combinations for Special Populations

<b>ESL/ENL Crosswalk</b> (Triggered by ENL Indicator on Course Instructor set to Y)		
<b>Course Level</b>	<b>Cert_Cd</b>	<b>Cert_Desc</b>
SECONDARY	7080	English To Speakers Of Other Languages
PRIOR TO SECONDARY	7994	Statement Of Continued Eligibility-English To Spkrs Of Other Lang
PRIOR TO SECONDARY	7080	English To Speakers Of Other Languages
SECONDARY	7994	Statement Of Continued Eligibility-English To Spkrs Of Other Lang

# Improvements to the Verification Process

## Teacher Certification Report

Scheduled for Release in 2020-21

Location Name	Name	Staff ID	Course Code	Course Section	Course Name	Primary Lang	Certification Area Code	Certification Area Description	Certification Effective Date	Certification Expiration Date	Certified	Primary Ind	Special Ed Ind	ENL Ind	Incidental
			01992	READ0085-1	Eng Prof Development	ENG					No	Yes	No	No	No
			01992	READ0087-1	Eng Prof Development	ENG					No	Yes	No	No	No
			01003CC	ENGL0165-1	ELA III (Common Core)	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			01006	ENGL0142-1	AP Eng Lit & Comp	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			01006	ENGL0142-2	AP Eng Lit & Comp	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			04064	ENGL0274-1	Contemporary World Issues	ENG					No	Yes	No	No	No
			01003CC	ENGL0099-1	ELA III (Common Core)	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			01003CC	ENGL0131-1	ELA III (Common Core)	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			01003CC	ENGL0131-2	ELA III (Common Core)	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			01004	ENGL0134-3	ELA IV (12th grade)	ENG	5100	English 7-12	Sep 1, 2004		Yes	Yes	No	No	No
			04101	SOCS0257-1	U.S. History-Comprehensive	ENG	5110	Social Studies 7-12	Sep 1, 2010		Yes	Yes	No	No	No
			04104	SOCS0230-1	AP U.S. History	ENG	5110	Social Studies 7-12	Sep 1, 2010		Yes	Yes	No	No	No
			04149	SOCS0231-1	U.S. History-Other	ENG	5110	Social Studies 7-12	Sep 1, 2010		Yes	Yes	No	No	No
			04149	SOCS0231-2	U.S. History-Other	ENG	5110	Social Studies 7-12	Sep 1, 2010		Yes	Yes	No	No	No
			04149	SOCS0231-8	U.S. History-Other	ENG	5110	Social Studies 7-12	Sep 1, 2010		Yes	Yes	No	No	No
			06142	LANG0692-1	Italian II	ENG	5200	Italian 7-12	Sep 1, 2007		Yes	Yes	No	No	No
			06142	LANG0692-1	Italian II	ENG	7080	English To Speakers Of Other	Sep 1, 2005		No	Yes	No	No	No
			06143	LANG0693-1	Italian III	ENG	5200	Italian 7-12	Sep 1, 2007		Yes	Yes	No	No	No
			06143	LANG0693-1	Italian III	ENG	7080	English To Speakers Of Other	Sep 1, 2005		No	Yes	No	No	No
			01992	READ0089-1	Eng Prof Development	ENG					No	Yes	No	No	No
			01992	READ0089-2	Eng Prof Development	ENG					No	Yes	No	No	No

# A New Cognos Report

All Certifications from TEACH  
SIRS – 329 Staff Certifications  
Scheduled for Release in November/December 2019

District Code	Staff Snapshot Staff ID	Staff Snapshot name	Staff Snapshot DOB	Staff Snapshot Job Description	Staff Certification Area Code	Staff Certification Area Desc	Certification Effective Date	Certification Expiration Date
123456789000	1234567	CERONE, CELESTE	January 1, 1960	TEACHER	9051	Students With Disabilities - Grades 7-12 - English	September 1, 2012	
123456789000	1234567	CERONE, CELESTE	January 1, 1960	TEACHER	5013	English Language Arts 7-12	September 1, 2012	
123456789000	1125567	DENISON, WILLIAM	June 3, 1977		1010	School District Administrator	September 1, 2016	
123456789000	9876542	LARKIN, DAVID	April 15, 1980	TEACHER	9063	Students With Disabilities - Grades 7-12 - Mathematics	May 12, 2017	August 31, 2022
123456789000	9876542	LARKIN, DAVID	April 15, 1980	TEACHER	5130	Mathematics 7-12	May 12, 2017	August 31, 2022

# Most Issued Certificates by Title

CERT_CODE	SUBJECT	COUNTS
3010	Nursery, Kindergarten & Grades 1-6	116,604
0002	Teaching Assistant	87,333
9010	Special Education	75,377
3014	Childhood Education (Grades 1-6)	72,748
3011	Pre Kindergarten, Kindergarten And Grades 1-6	59,651
5110	Social Studies 7-12	47,462
9014	Students With Disabilities (Grades 1-6)	46,393
1010	School District Administrator	44,031
5130	Mathematics 7-12	38,167
3013	Early Childhood Education (Birth-Grade 2)	36,618
7060	Reading Teacher	35,159
5100	English 7-12	34,814
1180	School Administrator/Supervisor	28,609
6160	Physical Education	27,294
2030	School Counselor	20,487
6150	Music	19,970
3020	Common Branch Subjects (1-6)	19,337
7080	English To Speakers Of Other Languages	18,920
9013	Students With Disabilities (Birth-Grade 2)	17,450
7061	Literacy (Birth-Grade 6)	16,256
9020	Speech And Hearing Handicapped	15,721
5150	Spanish 7-12	14,914
6010	Art	13,768
5013	English Language Arts 7-12	13,660
2070	School Psychologist	13,579

# REMINDERS

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- The 2019-20 Crosswalk is not going to determine teacher course/certification status for the 2019-20 SY. NYSED is releasing it a year in advance to allow LEAs time to plan. The TAA BEDS data will still be used to generate the certification reports for the 2019-20 SY.
- Incidental teaching assignments should be reported accurately in 2020-21. Data this year will only be used for analysis, to ensure vendors are moving the data, and to assist districts if they have not been keeping track of this information.
- Use the Indicators! Flag Special Ed certified teachers and ENL certified teachers with the Course Instructor indicators. If you do not, and they lack subject area certification, they will be flagged as Out of Certification on the annual reports.
- For Bilingual teachers, report languages other than English in Course Instructor Assignment.
- “Primary” instructors will be subjected to a certification match.