Using School Courses for the Exchange of Data (SCED) to Address Teacher Shortages

Susan Williams, Virginia Department of Education

SCED Classification System

SCED is a voluntary, common classification system for preschool through high-school courses

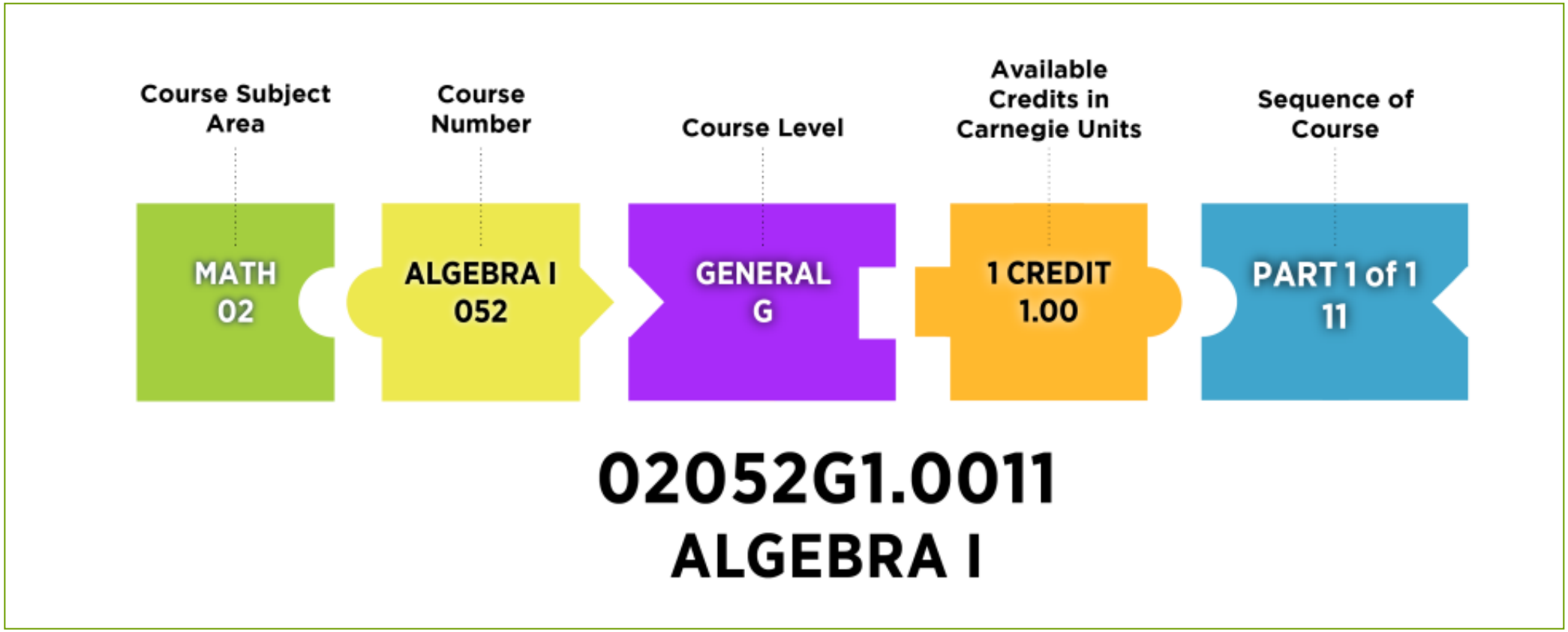
SEAs use SCED to

- develop course catalogs;
- standardize reporting;
- allow data systems to communicate;
- facilitate student credit transfers.

LEAs and schools use SCED to

- establish teacher-student data links;
- identify data for analysis, research, and data collections;
- understand types of courses taught throughout the district;
- provide standardized transcripts to postsecondary institutions.

SCED Elements



SCED Working Group Update Process

Chair

- Susan Williams, Virginia Department of Education

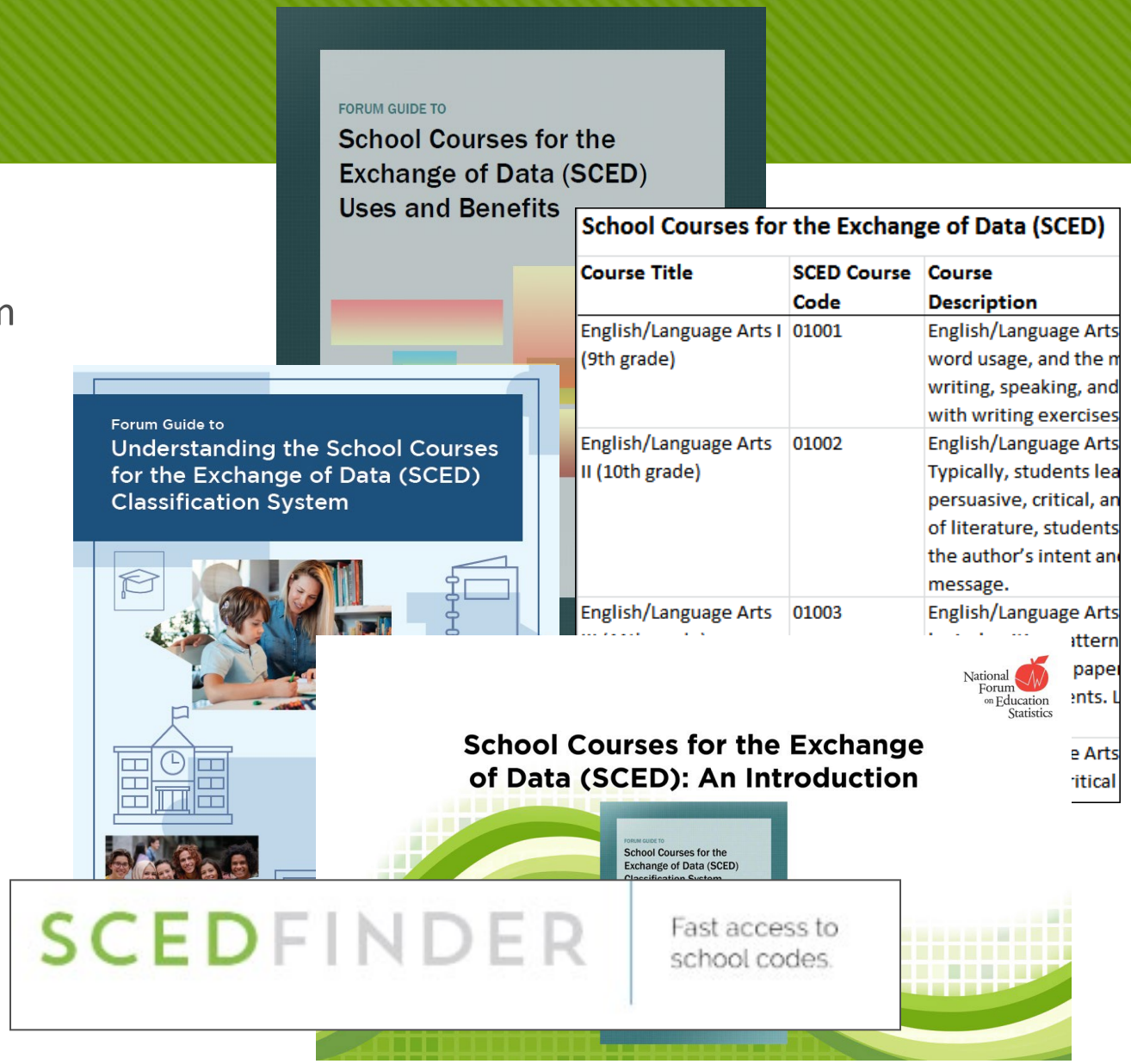
Members

- Laura Hansen, Metro Nashville Public Schools (TN)
- Marilyn King, Bozeman School District #7 (MT)
- Rachel Kruse, Iowa Department of Education
- Greg Manzi, Clark County School District (NV)
- Kristina Martin, Macomb Intermediate School District (MI)
- Raymond Martin, Connecticut State Department of Education
- Tina Mason, Mississippi Department of Education
- Jim Means, U.S. Department of Education
- Karen Millette, Minnesota Department of Education
- Jon Wiens, Oregon Department of Education

SCED Resources

- Forum Guides:
  - Understanding the SCED Classification System
  - SCED Uses and Benefits
- Current and Previous SCED Versions
- SCED Finder
- SCED Master List
- User Training
- Case Studies
- Frequently Asked Questions

SCED resources are available at http://nces.ed.gov/forum/SCED.asp



It's All About SCED!

Positions and Exits Collection

and

Staffing and Vacancy Report

Purpose of the Collection

- Three JLARC recommendations
- Two new legislative requirements
- Streamline and modernize the IPAL Survey and Supply & Demand Report
  - Identify critical shortages of teachers and administrative personnel by endorsement (subject) area, geographic region, or school division
  - Collect information on the total number of full-time equivalent positions (FTEs) in administration and instruction and the number of unfilled positions
- Prevents the addition of a single purpose exit survey collection
- Required State and Federal Reporting
  - New public reports and state-level reporting are now required
  - All legacy reporting is still required

Sample of Position Codes

Position Code	Position Description	License Required	Position Type	Details or relevant SCED codes
1	Teacher, Early Childhood Pre-Kindergarten	Y	TCH	
2	Teacher, Kindergarten	Y	TCH	
3	Teacher, Elementary Education Grade 1	Y	TCH	
4	Teacher, Elementary Education Grade 2	Y	TCH	
5	Teacher, Elementary Education Grade 3	Y	TCH	
6	Teacher, Elementary Education Grade 4	Y	TCH	
7	Teacher, Elementary Education Grade 5	Y	TCH	
8	Teacher, Elementary Education Grade 6	Y	TCH	
9	Teacher, Comprehensive Language Arts	Y	TCH	1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1027, 1028, 1034, 1035, 1036
10	Teacher, Literature/Reading	Y	TCH	1047, 1048, 1053, 1055, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069
11	Teacher, Composition/Writing	Y	TCH	1101, 1102, 1103, 1104, 1105, 1136, 1137, 1138
12	Teacher, Speech and Communication	Y	TCH	1151, 1152, 1153, 1155, 1156, 1199
13	Teacher, Linguistics	Y	TCH	1201
14	Teacher, All Others in English Language and Literature	Y	TCH	1992, 1996

Sample of Position Codes

Position Code	Position Description	License Required	Position Type	Details or relevant SCED codes
15	Teacher, Foundation Mathematics	Y	TCH	2002, 2003, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2049
16	Teacher, Pure Mathematics	Y	TCH	2051, 2052, 2053, 2054, 2055, 2056, 2057, 2061, 2071, 2072, 2073, 2074, 2079, 2097, 2102, 2103, 2104, 2105, 2106, 2109, 2110, 2111, 2113, 2121, 2122, 2123, 2124, 2125, 2131, 2132, 2134, 2135, 2136, 2137, 2139, 2140, 2141, 2149
17	Teacher, Applied Mathematics	Y	TCH	2152, 2153, 2154, 2156, 2157
18	Teacher, Probability and Statistics	Y	TCH	2201, 2202, 2203, 2209
19	Teacher, All Others in Mathematics	Y	TCH	2900, 2901, 2902, 2903, 2904, 2905, 2906, 2908, 2909, 2910, 2991, 2994, 2996, 2997, 2999
20	Teacher, Earth Science	Y	TCH	3001, 3002, 3003, 3004, 3005, 3006, 3008, 3049
21	Teacher, Biology	Y	TCH	3051, 3052, 3053, 3056, 3057, 3058, 3059, 3060, 3063, 3065, 3094, 3099
22	Teacher, Chemistry	Y	TCH	3101, 3102, 3103, 3106, 3107, 3149
23	Teacher, Physics	Y	TCH	3151, 3152, 3153, 3155, 3156, 3157, 3158, 3159, 3160, 3161, 3163, 3164, 3165, 3166, 3199
24	Teacher, Integrated/Others in Life and Physical Sciences	Y	TCH	3201, 3203, 3206, 3207, 3208, 3210, 3212, 3213, 3214, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239
25	Teacher, All Others in Science	Y	TCH	3900, 3901, 3902, 3903, 3904, 3905, 3906, 3907, 3990, 3995, 3996, 3999

Sample of Position Codes

Position Code	Position Description	License Required	Position Type	Details or relavent SCED codes
101	Principal - Elementary	Y	ADMIN	
102	Principal - Middle School	Y	ADMIN	
103	Principal - Secondary	Y	ADMIN	
104	Reading Specialist	Y	ADMIN	
105	School Psychologist	Y	OTHER	
106	School Social Worker	Y	OTHER	
107	Speech/Language Impairment Specialist	Y	OTHER	License Required By VA Board Of Audiology & Speech-Language Pathology
108	Superintendent	Y	ADMIN	
109	Deputy Superintendent	Y	ADMIN	
110	Assistant Superintendents	Y	ADMIN	
111	Central Office Administrators	N		Include: other persons with division-wide responsibilities; such as accountants, auditors, business managers, facilities managers, technology or information system administrators, or supervisors of transportation, food services, or security Exclude: supervisors of instructional coordinators, supervisors of counselors, and supervisors of student support staff. (These staff are reported under “student support services staff”)

Staffing and Vacancy Report

- Teacher data categorizes by SCED Subject Code and SCED subsections
  - see SCED Finder for subsection names.
- Build-a-table format
- Shortage areas
  - Administration
  - Transportation
  - Non-licensed Personnel
  - Paraprofessionals

- https://p1pe.doe.virginia.gov/buildatable/positions_and_exits