AMERICAN ACADEMY OF ARTS & SCIENCES

# AMERICA'S LANGUAGES Investing in Language

Investing in Language Education for the 21st Century

COMMISSION ON LANGUAGE LEARNING

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# Section 3: Developing Heritage Languages and Revitalizing Native American Languages

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The United States need look no further than its own immigrant, ethnic, and Native American communities to find the seeds of a rich and diverse linguistic future. As of 2006, the most recent year for which such data are available, the overwhelming majority of U.S. adults who reported that they spoke a language

other than English-including 37 million Spanish speakers and 2.9 million Chinese speakers-acquired that language at home.74 In most cases, language acquisition is associated with familial, cultural, and historical ties, rather than school-based curricula. In an immigrant nation like the United States, this circumstance should be consid-

ered an asset. Heritage speakers have a working knowledge of a second language even before they enter the classroom. Prior to any educational investments at the local, state, or federal levels, they have a head start in achieving the kind of biliteracy that would be as beneficial to them individually as it would be to the nation as a whole. Undoubtedly, they can only become proficient in their heritage languages through persistent study and ongoing instruction. But if we encourage them in this pursuit, by supporting the heritage and Native American languages already spoken in communities across the nation and helping these languages persist from one generation to the next, we would have the nucleus of a truly multilingual society.

Unfortunately, immigrant communities find it difficult to maintain their proficiency in heritage languages once they enter the United States. A study in Southern California found that language proficiency falls quickly in each generation after the first to enter the country. More than 45 percent of the immigrants in the study who arrived as children under the age of thirteen were able to speak and understand a non-En-

glish language well (though they are not necessarily literate in these languages). By the third generation, fewer than one in ten were able to communicate well in their heritage languages.75 languages already spoken in

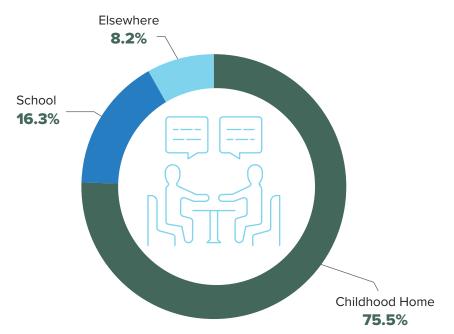
> By developing strategic frameworks for Native American and heritage language learners and systematic, on-going instruction in heritage languages, schools can play an

important role in reversing this trend. They should provide more language opportunities for Native American language learners and heritage speakers in classroom or school settings, allow heritage speakers more chances to exercise their heritage language in non-English language courses like social studies and science, and offer students designated times when they can meet and speak to other students who are heritage speakers. Some districts and states are already piloting such programs. For example, Sealaska Heritage, a nonprofit based in Juneau, Alaska, partners with Juneau schools to teach Southeast Alaskan native languages, like Tlingit, and has established a program to train teachers in local languages.<sup>76</sup> The Maine French Heritage Program sponsors after-school language and culture activities in Lewiston and Augusta for students from French-speaking backgrounds

in grades one through six.<sup>77</sup> And the school district in Beardstown, Illinois, is developing a high school immersion program that is specifically designed to support a student population that is 70 percent heritage Spanish speakers.<sup>78</sup>

Similarly, more two- and four-year colleges and universities should make available curricula designed specifically for Native American languages and heritage speakers, and should find ways to offer credit for proficiency in a heritage language. As in K–12 education, some colleges and universities are already experimenting with such curricula. The Spanish Heritage Language Program at the University of Houston offers specific courses for heritage Spanish speakers; students who have successfully completed the intermediate level in this program fulfill the university's foreign language requirement and are encouraged to enroll in more advanced classes.<sup>79</sup> The Universities of Arizona, Washington, and Oregon all support similar programs, providing new contexts for students' personal and cultural experiences; locating the Spanish spoken at home within a broader Spanish-speaking world; and featuring service-learning opportunities in local Spanish-speaking communities.<sup>80</sup> And Columbia University introduced a dedicated track for heritage Russian speakers

### Where English-Speaking Adults Who are Fluent in Another Language Acquired the Non-English Language, 2006

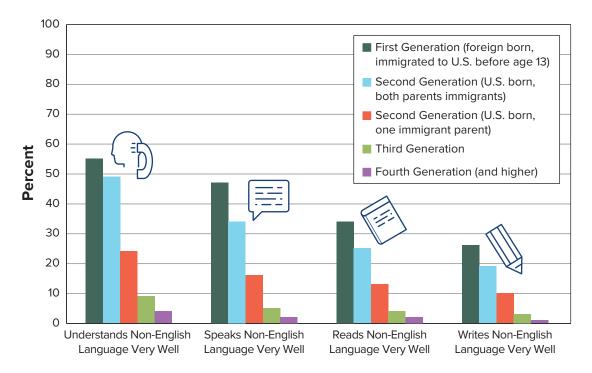


**SOURCE:** Analysis of data collected by the National Opinion Research Center at the University of Chicago in the General Social Survey for the Humanities Indicators.

that brings limited-proficiency students to an advanced level in their heritage language in two semesters, while satisfying the university's undergraduate second language requirement.<sup>81</sup> Each of these programs offers a model that can be adopted elsewhere and applied to other heritage languages.

Heritage language initiatives at schools and colleges are important, in part, because they recognize forms of self and cultural expression that have been devalued by our educational policies and practices, sometimes to devastating effect. For example, many students who are proficient in English as well as in a heritage language

### Dimensions of Non-English Language Proficiency, by Generation, in Southern California, 2001–2004



**SOURCE:** Alejandro Portes and Rubén G. Rumbaut, Children of Immigrants Longitudinal Study (CILS), 1991–2006, ICPSR20520.v2 (Ann Arbor, Mich.: Inter-University Consortium for Political and Social Research, 2012), http://doi.org/ 10.3886/ICPSR20520.v2; and Rubén G. Rumbaut, Frank D. Bean, Leo R. Chávez, et al., Immigration and Intergenerational Mobility in Metropolitan Los Angeles (IIMMLA), 2004, ICPSR22627.v1 (Ann Arbor, Mich.: Inter-University Consortium for Political and Social Research, 2008), http://doi.org/10.3886/ICPSR22627.v1. See also Rubén G. Rumbaut, "English Plus: Exploring the Socioeconomic Benefits of Bilingualism in Southern California," in *The Bilingual Advantage: Language, Literacy and the U.S. Labor Market*, ed. Rebecca M. Callahan and Patricia C. Gándara (Bristol, United Kingdom: Multilingual Matters, 2014).

continue to be placed in English development programs based on the false assumption that their knowledge of a second language implies weak English skills, or that further education in a heritage language will hinder students' mastery of English.<sup>82</sup> Occasionally, these decisions can be influenced by financial considerations, since some school districts receive funding when they assign more students to developmental English. In some cases, schools have not been required to inform parents that their children have been placed in such courses. These placements are problematic on several levels: They impede the education of otherwise qualified and capable students. They reinforce the mistaken idea that heritage languages are less valuable than other forms of knowledge. And they threaten the confidence and self-esteem of students who can and should excel within and beyond the classroom.

In place of such reflexive skepticism, individual students and communities would benefit greatly from a new respect for and investment in heritage language learning as an integral component of a broader national language strategy.<sup>83</sup> While quality teaching resources already exist for many of the languages taught in U.S. schools, many more will need to be developed to support the great wealth of languages spoken in homes around the United States. The kind of public-private partnerships advocated in the previous section of this report will be crucial in these efforts as lesson plans, textbooks, and other media are developed to facilitate ongoing, lifelong instruction in heritage languages.



#### Cosima Lenz

Master of Public Health Candidate at UCLA Fielding School of Public Health

Cosima Lenz is a first-generation American whose family spoke German and English at home. She began learning Spanish as an elementary school student in California and continued to study the language throughout high school, before earning her bachelor's degree in German with a minor in public health from Northwestern University. Passionate about global health issues and aware of the serious challenges language barriers present to her chosen field, Lenz put her Spanish to use as a volunteer with the Somos Hermanos program—living in full cultural and linguistic immersion in Guatemala while teaching a weekly health class to local women and working at a rural clinic. Now pursuing a master of public health, she recently completed a research internship with the World Health Organization's Reproductive Health Research Department in Geneva, Switzerland, and has also participated in study abroad and research experiences in Germany and South Africa.

"Having foreign language skills in this day and age is critical due to the increasingly global world in which we live, and it's why I value my German and Spanish language skills. One of my goals in pursuing a career in public health is to use my Spanish and cross-cultural skills to improve quality and access to health care among the Latino community."<sup>84</sup>

## **Native American Speakers**

Currently, the United States is home to over 450,000 speakers of Native American languages. Many of these American Indian, Alaska Native, Native Hawaiian, and Native American Pacific Islander languages are classified as endangered languages by UNESCO and other organizations supporting cultural preservation. Among languages indigenous to the North American continent (where language loss has been most severe), every Native American language other than Navajo has fewer than twenty thousand speakers and many are down to less than ten speakers. In the Native American Languages Act of 1990, Congress recognized the distinctive political status and cultural importance of all Native American languages and authorized programs to counter a historic "lack of clear, comprehensive, and consistent Federal policy," which has often "resulted in acts of suppression and extermination of Native American languages and culture."85

Native North American languages are now the subject of intensive reclamation projects, including the Documenting Endangered Languages joint project of the National Endowment for the Humanities and the National Science Foundation. They are taught at tribal colleges and universities as well as at public universities in several states, including Alaska, Arizona, Hawaii, Minnesota, and Oklahoma. Alaska and Hawaii have also declared their Native American languages as official state languages.

Over the past twenty years, researchers have discovered that instruction in indigenous languages yields a variety of benefits for Native American children. It has been linked to improvements in:

- Academic achievement, retention rates, and school attendance;
- Local and national achievement test scores;
- Well-being, self-esteem, and self-efficacy; and
- Resiliency to addiction and the prevention of risky behaviors.<sup>86</sup>





1. Advancing Knowledge: Selections from the Archives of the American Academy of Arts and Sciences (Cambridge, Mass.: American Academy of Arts and Sciences, 2015).

2. U.S. Census Bureau, "Detailed Languages Spoken at Home and Ability to Speak English for the Population 5 Years and Over for United States: 2009–2013," American Community Survey, October 2015, http://www.census .gov/data/tables/2013/demo/2009-2013-lang-tables.html.

3. The Native American Languages Act of 1990 is the governing statute for the distinctive Native American language provisions of the Every Student Succeeds Act (ESSA) and the primary policy statute of the federal government that provides the basis for distinctive political recognition and support for Native American languages. Native American languages are defined by the NALA as American Indian, Native Alaskan, Native Hawaiian, and Native American Pacific Island languages.

4. See, for example, Brian T. Edwards, "Teach Arabic in Public Schools," *Chicago Tribune*, April 6, 2015, http://www.chicagotribune.com/news/opinion/commentary/ct-arabic-language-public-schools-perspec-0406 -20150403-story.html.

5. Rick Noack and Lazaro Gamio, "The World's Languages, in 7 Maps and Charts," *The Washington Post*, April 23, 2015, https://www.washingtonpost.com/news/worldviews/wp/2015/04/23/the-worlds-languages-in-7-maps -and-charts/.

6. U.S. Census Bureau, "Detailed Languages Spoken at Home and Ability to Speak English for the Population 5 Years and Over for United States: 2009–2013."

7. "2014 U.S. Business Needs for Employees with International Expertise," Shirley J. Daniel and Fujiao Xie, Center for International Business Education and Research at University of Hawai'i at Manoa, and Ben L. Kedia, Center for International Business Education and Research at the University of Memphis. A collaboration of the Coalition for International Education and the Association for International Business Education and Research for *Internationalization of U.S. Education in the 21st Century*, April 2014, William & Mary, Williamsburg, VA. http://www.wm.edu/offices/revescenter/globalengagement/internationalization/papers%20and%20presentations/ danielkediafull.pdf.

8. Office of Public Affairs, U.S. Department of Commerce, "U.S. Commerce Department Releases New Report on Foreign Direct Investment Trends," press release, June 20, 2016, https://www.commerce.gov/news/press -releases/2016/06/us-commerce-department-releases-new-report-foreign-direct-investment; and Joint National Committee for Languages, *The Contributions of Language to the Economic Interests of the United States* (Cambridge, Mass.: American Academy of Arts and Sciences, 2015), https://www.amacad.org/multimedia/pdfs/ TheContributionsofLanguagetotheEconomicInterestsoftheUnitedStates.pdf.

9. Global Cities Initiative, *Metro Atlanta: Foreign Direct Investment Plan* (Washington, D.C.: Brookings Institution and J. P. Morgan Chase, 2016), http://www.atlantafdiportal.com/wp-content/uploads/2016/05/16-57-FDI -FINAL\_WEB-2.pdf; and Rebecca M. Callahan and Patricia C. Gándara, eds., *The Bilingual Advantage: Language, Literacy and the U.S. Labor Market* (Bristol, United Kingdom: Multilingual Matters, 2014), 178.

10. David Cyranoski, "Bird Flu Data Languish in Chinese Journals: Health Authorities in the Dark as Warnings Go Untranslated," *Nature* 430 (955) (August 2004), http://www.nature.com/nature/journal/v430/n7003/full/430955a.html.

11. U.S. Congress, *America COMPETES Act*, August 9, 2007, 110th Congress, Public Law 110-69, 94, https://www.congress.gov/110/plaws/publ69/PLAW-110publ69.pdf.

12. Ibid.

13. Email exchange with the Commission on Language Learning, January 2017.

14. U.S. Senate, Committee on Homeland Security and Governmental Affairs, *A National Security Crisis: Foreign Language Capabilities in the Federal Government*, 112th Congress, 2nd Sess., May 21, 2012, S. Hrg. 112-663, 9, http://www.gpo.gov/fdsys/pkg/CHRG-112shrg75214/pdf/CHRG-112shrg75214.pdf.

15. Laura J. Junor, "A National Security Crisis: Foreign Language Capabilities in the Federal Government," statement before the Committee on Homeland Security and Governmental Affairs, Subcommittee on Oversight of Government Management, Federal Workforce, and the District of Columbia, United States Senate, May 21, 2012, 3.

16. U.S. Senate, Committee on Homeland Security and Governmental Affairs, A National Security Crisis: Foreign Language Capabilities in the Federal Government.

17. For more information on languages and national security, see Gail H. McGinn, *Foreign Language, Cultural Diplomacy, and Global Security* (Cambridge, Mass.: American Academy of Arts and Sciences, 2015), https://www.amacad.org/multimedia/pdfs/Foreign-language-Cultural-Diplomacy-Global-Security.pdf.

18. Executive Order 13166 of August 11, 2000, "Improving Access to Services for Persons with Limited English Proficiency," *Code of Federal Regulations*, Title 3 (Washington, D.C.: U.S. Government Publishing Office, 2001), 289–291.

19. See Camille Ryan, *Language Use in the United States: 2011*, American Community Survey Reports (Washington, D.C.: U.S. Census Bureau, August 2013), http://www.census.gov/prod/2013pubs/acs-22.pdf; Executive Order 13166 of August 11, 2000; and U.S. Congress, Patient Protection and Affordable Care Act, March 23, 2010, 111th Congress, 2nd Sess., H.R. 3590.

20. Terrence Wiley, Beatriz Arias, Jennifer Renn, and Shereen Bhalla, *Language and the Fulfillment of the Potential of All Americans* (Cambridge, Mass.: American Academy of Arts and Sciences and the Center for Applied Linguistics, 2015), 20, https://www.amacad.org/multimedia/pdfs/CAL-AAASWhitePaper-LanguagePotential Americans.pdf.

21. Laura K. Abel, *Language Access in the Federal Courts* (New York: National Center for Access to Justice at Cardozo School of Law, 2013), http://ncforaj.org/wp-content/uploads/2013/12/abel-ncaj-language-access-federal -courts.pdf.

22. Rubén G. Rumbaut and Douglas S. Massey, "Immigration & Language Diversity in the United States," *Dædalus* 142 (3) (Summer 2013): 141.

23. U.S. Census Bureau, "Census Bureau Reports at Least 350 Languages Spoken in U.S. Homes," press release CB15-185, November 3, 2015, http://www.census.gov/newsroom/press-releases/2015/cb15-185.html.

24. Penelope W. Armstrong and Jerry D. Rogers, "Basic Skills Revisited: The Effects of Foreign Language Instruction on Reading, Math, and Language Arts," *Learning Languages* 2 (3) (1997): 20–31.

25. Samantha A. Fan, Zoe Liberman, Boaz Keysar, et al., "The Exposure Advantage: Early Exposure to Multilingual Environment Promotes Effective Communication," *Psychological Science* 26 (7) (2015), http://pss.sagepub.com/content/early/2015/05/08/0956797615574699.abstract.

26. Email exchange with the Commission on Language Learning, November 2016.

27. Clara Moskowitz, "Learning a Second Language Protects Against Alzheimer's," Live Science, February 18, 2011, http://www.livescience.com/12917-learning-language-bilingual-protects-alzheimers.html.

28. Richard D. Brecht, *America's Languages: Challenges and Promise* (Cambridge, Mass.: American Academy of Arts and Sciences, 2015), https://www.amacad.org/multimedia/pdfs/AmericasLanguagesChallengesand Promise.pdf.

29. "Foreign Language Skills Statistics," Eurostat Statistics Explained, http://ec.europa.eu/eurostat/statistics -explained/index.php/Foreign\_language\_skills\_statistics.

30. U.S. Census Bureau, "Detailed Languages Spoken at Home and Ability to Speak English for the Population 5 Years and Over for United States: 2009–2013."

31. Bethany Allen-Ebrahimian, "Can 1 Million American Students Learn Mandarin?" *Foreign Policy*, September 25, 2015, http://foreignpolicy.com/2015/09/25/china-us-obamas-one-million-students-chinese-language -mandarin/.

32. American Academy of Arts and Sciences, *The State of Languages in the U.S.: A Statistical Portrait* (Cambridge, Mass.: American Academy of Arts and Sciences, 2016), 11.

33. Ibid., 9. This is in stark contrast to the 84 percent of K–8 students in the twenty-eight member nations of the European Union who have studied a second language. See Eurostats, "Foreign Language Learning Statistics," September 2016, http://ec.europa.eu/eurostat/documents/2995521/7662394/3-23092016-AP-EN.pdf/ 57d3442c-7250-4aae-8844-c2130eba8e0e.

34. U.S. Department of Education, *Office of Postsecondary Education, Teacher Shortage Areas, Nationwide Listing, 1990–1991 through 2016–2017* (Washington, D.C.: U.S. Department of Education, 2016), http://www2.ed.gov/about/offices/list/ope/pol/tsa.pdf.

35. Liz Bowie, "In Baltimore Area Schools, Young Students are Learning a Foreign Language," *The Baltimore Sun*, December 2, 2014, http://www.baltimoresun.com/news/maryland/education/bs-md-foreign-language -20141201-story.html#page=1.

36. Julia Morales, Alejandra Calvo, and Ellen Bialystok, "Working Memory Development in Monolingual and Bilingual Children," *Journal of Experimental Child Psychology* 114 (2) (2013), https://www.ncbi.nlm.nih.gov/pubmed/23059128.

37. Utah State Office of Education, *Critical Languages: Dual Language Immersion Education Appropriations Report* (Salt Lake City: Utah State Board of Education, 2013), http://www.schools.utah.gov/legislativematerials/2013/Critical\_Language\_Dual\_Immersion\_Legislative\_Repor.aspx.

38. Ellen Bialystok, "Components of Executive Control with Advantages for Bilingual Children in Two Cultures," *Cognition* 112 (3) (2009), http://www.sciencedirect.com/science/article/pii/S0010027709001577.

39. Samantha P. Fan, Zoe Libermen, Boaz Keysar, and Katherine D. Kinzler, "The Exposure Advantage: Early Exposure to a Multilingual Environment Promotes Effective Communication," *Psychological Science* 26 (7) (2015): 1090–1097.

40. Ellen Bialystok, "Bilingualism as a Protection Against the Onset of Symptoms of Dementia," *Neuropsychologia* 45 (2) (2007), http://www.sciencedirect.com/science/article/pii/S0028393206004076; and Moskowitz, "Learning a Second Language Protects Against Alzheimer's."

41. For more on the cognitive benefits of language learning, see Judith F. Kroll and Paola E. Dussias, *Language and Productivity for All Americans* (Cambridge, Mass.: American Academy of Arts and Sciences, 2016), http://www.amacad.org/multimedia/pdfs/KrollDussias\_April%205.pdf.

42. Corey Mitchell, "Need for Bilingual Educators Moves School Recruitment Abroad," *Education Week*, January 25, 2016, http://www.edweek.org/ew/articles/2016/01/27/need-for-bilingual-educators-moves-school -recruitment.html.

43. Carola McGiffert, "Introducing Our 1 Million Strong Implementation Partners," U.S. China Strong, http://uschinastrong.org/2016/09/25/introducing-1-million-strong-implementation-partners/.

44. Tim Henderson, "Why American Schools Are Starting to Recruit More Teachers from Foreign Countries," *The Huffington Post*, October 13, 2015, http://www.huffingtonpost.com/2015/10/13/schools-recruit-foreign -teachers\_n\_8287694.html.

45. For further information on the federal civil rights framework for the provision of programs to English Learners, see U.S. Department of Justice and U.S. Department of Education, "Dear Colleague Letter, English Learner Students and Limited English Proficient Parents," January 7, 2015, https://www2.ed.gov/about/offices/list/ocr/letters/colleague-el-201501.pdf.

46. Utah Immersion, "Why Immersion?" http://utahdli.org/whyimmersion.html.

47. Utah State Office of Education, *Critical Languages: Dual Language Immersion Education Appropriations Report*, http://www.schools.utah.gov/legislativematerials/2013/Critical\_Language\_Dual\_Immersion\_Legislative\_Repor.aspx.

48. For an overview, see U.S. Department of Education, Office of English Language Acquisition, "Dual Language Education Programs: Current State Policies and Practices," https://ncela.ed.gov/files/rcd/TO20 \_DualLanguageRpt\_508.pdf.

49. Jazmine Ulloa, "California Will Bring Back Bilingual Education as Proposition 58 Cruises to Victory," *Los Angeles Times*, November 8, 2016, http://www.latimes.com/nation/politics/trailguide/la-na-election-day -2016-proposition-58-bilingual-1478220414-htmlstory.html.

50. NYC Department of Education, "Chancellor Fariña Announces 38 New Bilingual Programs," April 4, 2016, http://schools.nyc.gov/Offices/mediarelations/NewsandSpeeches/2015-2016/Chancellor+Farina+Announces +38+New+Bilingual+Programs.htm.

51. RAND Corporation, American Councils for International Education, and Portland Public Schools, "Study of Dual Language Immersion in the Portland Public Schools: Year 4 Briefing," November 2015, http://www.pps .net/cms/lib8/OR01913224/Centricity/Domain/85/DLI\_Year\_4\_Summary\_Nov2015v7.pdf. See also Jennifer L. Steele, Robert O. Slater, Gema Zamarro, et al., "The Effects of Dual Language Immersion Programs on Student Achievement: Evidence from Lottery Data," *American Educational Research Journal (Centennial Issue)* 53 (5) (forthcoming).

52. Swarthmore College, "State-by-State Chart for Policies on Reciprocity and Out-of-State Teacher Certification," http://www.swarthmore.edu/Documents/State%20Certification%20Reciprocity.pdf (accessed December 12, 2016).

53. Federal Student Aid, U.S. Department of Education, https://studentaid.ed.gov/sa/ (accessed January 19, 2017).

54. ACE/CIE, Engaging the World: U.S. Global Competence for the 21st Century, "Global Competence Video: Dana Banks," http://www.usglobalcompetence.org/videos/banks\_large.html.

55. Lisa W. Foderaro, "Budget-Cutting Colleges Bid Some Languages Adieu," *The New York Times*, December 3, 2010, http://www.nytimes.com/2010/12/05/education/05languages.html.

56. Big Ten Academic Alliance, "Introduction," https://www.btaa.org/projects/shared-courses/courseshare/ introduction.

57. Five College Consortium, "Five College Center for the Study of World Languages," https://www.fivecolleges .edu/fclang.

58. Association of Independent Colleges & Universities of Rhode Island, "Academic Programs: Language Consortium Program," http://aicuri.org/initiatives/academic/.

59. North Carolina State University, "NC State Language Exchange," https://fll.chass.ncsu.edu/undergraduate/language\_exchange.php.

60. Yale Center for Language Study, "Shared Course Initiative," http://cls.yale.edu/shared-course-initiative (accessed January 27, 2017).

61. National Coalition of Native American Language Schools and Programs, http://www.ncnalsp.org/ about-the-coalition/.

62. Recent surveys of state and local job markets reveal a significant increase in the number of job postings that list language skills as a requirement. See American Academy of Arts and Sciences, *The State of Languages in the U.S.: A Statistical Portrait*, 17.

63. Colleen Flaherty, "More Than Words," *Inside Higher Ed*, November 2, 2016, https://www.insidehighered .com/news/2016/11/02/princeton-proposal-would-require-all-students-even-those-already-proficient-study.

64. 'Aha Pūnana Leo, "A Timeline of Revitalization," http://www.ahapunanaleo.org/index.php?/about/a\_timeline \_of\_revitalization/ (accessed January 27, 2017); and Karen Lee and Jean Osumi, "Native Hawaiian Student Outcomes," presentation at the Native Hawaiian Education Council Meeting, Honolulu, Hawaii, November 2016.

65. One Fulbright-Hayes Program, Group Projects Abroad—Advanced Language Training, is designed specifically to provide intensive language training for U.S. graduate and undergraduate students.

66. Office of Science and Technology Policy, Executive Office of the President, *Report from the Interagency Working Group on Language & Communication* (Washington, D.C.: Executive Office of the President of the United States, 2016), 14, https://www.whitehouse.gov/sites/default/files/microsites/ostp/NSTC/report\_of\_the \_\_interagency\_working\_group\_on\_language\_and\_communication\_final.pdf (accessed on January 19, 2017); and U.S. Department of Education, *Higher Education: Fiscal Year 2017 Budget Request* (Washington, D.C.: U.S. Department of Education, 2016), https://www2.ed.gov/about/overview/budget/budget17/justifications/r-highered.pdf.

67. Center for Arabic Language and Culture, "Welcome to CALC," http://www.calcchicago.org/home.html.

68. FACE Foundation, "French Heritage Language Program," http://face-foundation.org/french-heritage -language-program/.

69. Humanities Nebraska, "Prime Time Family Reading Time," http://humanitiesnebraska.org/program/prime -time-family-reading-time/.

70. Alaska Native Languages, "Yugtun/Cugtun (Yup'ik/Cup'ik/Cup'ig Language)," http://www.alaskanative languages.org/centralalaskanyupik.

71. Louis Karno and Company Communications, "NH Humanities Council Celebrates Publication of English-Nepali Picture Book with a Public Folktale Festival on August 17," *The Tip Sheet*, July 30, 2012, http://thetipsheet.typepad.com/the\_tip\_sheet/2012/07/nh-humanities-council-celebrates-publication-of-english -nepali-picture-book-with-a-public-folktale-festival-on-august-17.html.

#### 72. Global Cities Initiative, Metro Atlanta.

73. John M. Grandin, "International Engineering Education: What Difference Does It Make?" Online Journal for Global Engineering Education 6 (1) (2012), 2, http://digitalcommons.uri.edu/ojgee/vol6/iss1/7.

74. U.S. Census Bureau, "Detailed Languages Spoken at Home and Ability to Speak English for the Population 5 Years and Over for United States: 2009–2013."

75. Alejandro Portes and Rubén G. Rumbaut, Children of Immigrants Longitudinal Study (CILS), 1991–2006, ICPSR20520.v2 (Ann Arbor, Mich.: Inter-University Consortium for Political and Social Research, 2012), http://doi.org/10.3886/ICPSR20520.v2; and Rubén Rumbaut, Frank D. Bean, Leo R. Chávez, et al., Immigration and Intergenerational Mobility in Metropolitan Los Angeles (IIMMLA), 2004, ICPSR22627.v1 (Ann Arbor, Mich.: Inter-University Consortium for Political and Social Research, 2008), http://doi.org/10.3886/ICPSR22627.v1. See also Rubén G. Rumbaut, "English Plus: Exploring the Socioeconomic Benefits of Bilingualism in Southern California," in *The Bilingual Advantage: Language, Literacy and the U.S. Labor Market*, ed. Callahan and Gándara.

76. Sealaska Heritage, "Education Programs," http://www.sealaskaheritage.org/institute/education/programs.

77. Maine French Heritage Language Program, "About," http://www.mfhlp.com/about.html.

78. Center for Applied Linguistics, "Heritage Langue Programs–Spanish: Beardstown CUSD #15 Dual Language Enrichment Program," http://www.cal.org/heritage/profiles/programs/Spanish\_K-12\_Beardstown.html.

79. University of Houston, "Heritage Track," http://www.uh.edu/class/spanish/language-programs/heritage -language/index.php.

80. University of Washington, "Heritage Language Courses," https://spanport.washington.edu/heritage-language -courses; University of Arizona, "Spanish as a Heritage Language," http://spanish.arizona.edu/undergrad/ spanish-heritage-language; and University of Oregon, "Spanish Heritage Language Program (SHL)," http:// rl.uoregon.edu/undergraduate/shl/.

81. Columbia University, "Undergraduate Courses: Russian Language (RUSS)," http://slavic.columbia.edu/ search/node/heritage%20Russian.

82. Recent studies suggest that strong skills in a heritage language actually help to promote efficient learning in English. See Karen Thompson, "English Learners' Time to Reclassification: An Analysis," *Educational Policy* (2015).

83. All students, including English speakers, would benefit from a more inclusive and integrative approach to the education of English Language Learners (ELLs). Some schools in Virginia are already experimenting with new "whole school" programs for teaching ELLs, in which every student prepares for mainstream content classes (in science, math, history, and so on) by first participating in in-depth sessions on vocabulary, reading, and writing in English. These programs reduce the time that ELLs spend away from their English-speaking peers and introduce a new educational rigor that has proven helpful to English speakers as well. Early research suggests that this is a path worth pursuing in more districts around the country. Margarita Calderón, "A Whole-School Approach to English Learners," *Educational Leadership* 73 (5) (February 2016), http://www.ascd.org/publications/ educational\_leadership/feb16/vol73/num05/A\_Whole-School\_Approach\_to\_English\_Learners.aspx.

84. Email exchanges with the Commission on Language Learning, December 2015 and November 2016.

85. Julie Siebens and Tiffany Julian, "Native North American Languages Spoken at Home in the United States and Puerto Rico: 2006–2010," American Community Survey Briefs, December 2011, https://www.census.gov/prod/2011pubs/acsbr10-10.pdf; and U.S. Senate, S.2167–Native American Languages Act, October 30, 1990, Public Law No. 101-477, https://www.congress.gov/bill/101st-congress/senate-bill/2167/text.

86. Joana Jansen, Lindsay Marean, and Janne Underriner, *Benefits of Indigenous Language Learning* (Eugene: University of Oregon, 2012), http://pages.uoregon.edu/nwili/wp-content/uploads/2012/07/forwebpageBenefitsL2\_ \_ECE10\_17\_14.pdf; and National Endowment for the Humanities, "Documenting Endangered Languages," https://www.neh.gov/grants/preservation/documenting-endangered-languages.

87. American Academy of Arts and Sciences, *The Heart of the Matter: The Humanities and Social Sciences for a Vibrant, Competitive, and Secure Nation* (Cambridge, Mass.: American Academy of Arts and Sciences, 2013), 58–59.

88. Institute of International Education, "Open Doors," http://www.iie.org/Research-and-Publications/Open -Doors#.WDyYPPkrKUk; and Institute of International Education, "Generation Study Abroad," http://www .iie.org/Programs/Generation-Study-Abroad#.WDyYq\_krKUk.

89. The Critical Language Scholarship Program, http://clscholarship.org/.

90. Dan E. Davidson, "The Development of L2 Proficiency and Literacy within the Context of the Federally Supported Overseas Language Training Programs for Americans," *To Advanced Proficiency and Beyond: Theory and Methods for Developing Superior Second-Language Ability*, ed. Tony Brown and Jennifer Brown (Washington, D.C.: Georgetown University Press, 2015), 117–150.

91. Federal student aid can be used for study abroad (short-term programs while remaining enrolled at a U.S. home campus) and for direct enrollment at a foreign higher education institution (HEI) if the foreign HEI has been approved for federal student aid participation. See Federal Student Aid, U.S. Department of Education, "International Schools," https://studentaid.ed.gov/sa/prepare-for-college/choosing-schools/types/international (accessed January 19, 2017).

92. Email exchange with the Commission on Language Learning, November 2016.

93. Daniel, Xie and Kedia, "2014 U.S. Business Needs for Employees with International Expertise."

94. Northeastern University, Global Experience Office, "Global Co-Op," http://www.northeastern.edu/geo/globalcoop/.

95. Go Overseas, "10 Paid Internships Abroad in Summer 2016 & 2017," https://www.gooverseas.com/blog/ 10-paid-internships-abroad-in-summer.

96. American Council on the Teaching of Foreign Languages, "World-Readiness Standards for Learning Languages," https://www.actfl.org/publications/all/world-readiness-standards-learning-languages.