

## **CURRICULUM VITAE**



### **BYOUNG SUG KIM**

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Elementary Education Program  
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#### **EDUCATION**

Ph.D.	2006	Illinois Institute of Technology, Chicago, IL, Science Education
M.Ed.	2001	Korea National University of Education, Chungbuk, South Korea, Science Education
B.S.	1998	Cheju National University, Jeju, South Korea, Biology Education

#### **PROFESSIONAL WORK EXPERIENCE**

**C**

- Fall 2009 ELED 321: Teaching Mathematics in the Elementary/Middle School  
ECHD 332: Teaching Pre-Primary Science, Math, and Social Studies  
ECHD 333: Teaching Primary Science, Math, and Social Studies
- Summer 2011 EDUC 480: Inquiry in the Classroom  
ECHD 433: Teaching Primary Science, Math, and Social Studies
- Spring 2011 ELED 325: Teaching Science in the Elementary School  
ELED 426: Science Curriculum and Methods in the Elementary School  
EDUC 480: Inquiry in the Classroom
- Summer 2010 EDUC 480: Inquiry in the Classroom
- Spring 2010 ELED 325: Teaching Science in the Elementary School  
ELED 426: Science Curriculum and Methods in the Elementary School  
EDUC 480: Inquiry in the Classroom
- Fall 2009 ELED 426: Science Curriculum and Methods in the Elementary School  
ECHD 332: Teaching Pre-Primary Science, Math, and Social Studies  
ECHD 333: Teaching Primary Science, Math, and Social Studies
- Spring 2009 ELED 325-01 & 325-02: Teaching Science in the Elementary School  
ELED 426-46: Science Curriculum and Methods in the Elementary School  
ELED 426-90: Science Curriculum and Methods in the Elementary School  
CHEM 100: The Chemistry of Global Warming
- Fall 2008 ECHD 332: Teaching Pre-Primary Science, Math, and Social Studies  
ECHD 333: Teaching Primary Science, Math, and Social Studies  
ELED 426: Science Curriculum and Methods in the Elementary School
- Spring 2008 ELED 325/426: Teaching Science in the Elementary School  
ELED 366/470: Student Teaching and Seminar in the Elementary School  
EDUC 480: Inquiry in the Classroom
- Fall 2007 ELED 325: Teaching Science in the Elementary School  
ELED 426: Science Curriculum and Methods in the Elementary School  
ELED 366/470: Student Teaching Seminar
- Summer 2007 ELED 426: Science Curriculum and Methods in the Elementary School
- Spring 2007 ELED 325: Teaching Science in the Elementary School  
ELED 426: Science Curriculum and Methods in the Elementary School  
ELED 366/470: Student Teaching Seminar
- Fall 2006 ELED 325: Teaching Science in the Elementary School  
ELED 435: Science Curriculum and Methods in the Elementary School

**ADVISING RESPONSIBILITY**

2010	2011	Approximately 15 students
2009	2010	Approximately 30 students
2008	2009	Approximately 50 students
2007	2008	Approximately 60 students
2006	2007	Approximately 80 students

**SERVICE****Department/Program**

2015	July	Reviewer, Student Performance Review
2014	2015	Member, ELED Re-design Team
2014	June	Reviewer, Student Performance Review
2012	December	Reviewer, Student Performance Review
2012	April	Volunteer, Proposal for organizing undergraduate student
2012	March	Member, ELED Program Review Committee
2008	2009	Member, Early Childhood Education Search Committee
2007	2008	Member, Elementary Education (Mathematics) Search Committee
2006	2007	Member, Early Childhood Education Search Committee
2006	present	Representative of Elementary Education at 25 meetings including information sessions, open houses, cooperating teacher orientations, and student teacher orientations.

**College**

2012	2014	Chair, College Council
Fall	2012	Member, Reappointment Review Committee
Fall	2012	Member, Field Placement Coordinator Search Committee
2012	2013	Member, Technology & Information Services Committee
Summer	2012	Member, Retention Course Committee
Fall	2011	Member, Assessment Coordinator Search Committee
2011	April	Presenter, Democratic Learning Community Capstone Conferen000912 0atic Learning

2011 2012 Member, Teaching, Learning and Research Technologies  
Committee  
2011 April Commencement usher  
2008 2010 Member, Student Review Board  
2007 2010 Senator  
2009 Member, Pharmacy Dean Search Committee  
2008 2009 Member, Faculty Research Committee  
2009 February Presenter, Faculty Research Presentation  
2008 February Presenter, Service Learning Workshop, Center for Teaching and  
Learning  
2008 February Presenter, Faculty Research Presentation  
2007 September Greeter, Greeter Program

**Public School Community**

2009 2016

2007 2008 Reviewer, AERA annual meeting, Division C  
2007 Reviewer, NARST annual meeting, Strand 3 & 13  
April 2006 Presider, NSTA/ICASE International Conference, Anaheim, CA  
2005 2006 Reviewer, NARST annual meeting, Strand 8  
2004 2006 Reviewer, NARST annual meeting, Strand 4

### **AWARDS AND HONORS**

Fall 2015 Faculty Research Leave, Roosevelt University  
2012 William Bennett Award, National Center for Science and Civic Engagement  
2011 Summer Research Grant, Roosevelt University  
Fall 2010 Faculty Research Leave, Roosevelt University  
2008 Certificate for excellence in preparing proposals for external funding, Roosevelt University  
2008 Summer Research Grant, Roosevelt University  
2007 Summer Research Grant, Roosevelt University  
2006 Academic Outstanding Award, Illinois Institute of Technology

### **GRANTS**

2016 Principal Investigator: The Robert Noyce Teacher Scholarships & Stipends Track (S&S)  
2011 Co-Principal Investigator: Noyce Capacity Building Project, submitted to the National Science Foundation, Not Accepted.  
2010

2008 Co-Principal Investigator: Roosevelt Teacher Institute (RTI) MA in Teacher Leadership Science or Mathematics Endorsement, submitted to the National Science Foundation, Not Accepted.

### PUBLICATIONS

- Yoon, H-G. & **Kim, B. S.** (2016). Preservice elementary teachers' beliefs about nature of science and constructivist teaching in the content-specific context. *Eurasia Journal of Mathematics, Science & Technology Education*, 12(3), 457-475.
- King, K. P. & **Kim, B. S.** (2014). A penny for your thoughts? *Science Scope*, 38(1), 40-45.
- Yoon, H-G., Kim, M., **Kim, B. S.**, Joung, Y. J., & Park, Y-S. (2013). Pre-service t views of inquiry teaching and their responses to teacher e feedback on teaching practice. *Eurasia Journal of Mathematics, Science & Technology Education*, 9(4), 347-359.
- Yoon, H-G., Joung, Y. J., Kim, M., Park, Y-S., & **Kim, B. S.** (2012). Examining pre-service elementary teachers views on science inquiry. *Journal of Korean Elementary Science Education*, 31(3), 334-346.
- Kim, B. S.**, the purpose of scientific inquiry. *International Journal of Learning*, 18(8), 163-174.
- Lederman, J. S., Lederman, N. G., **Kim, B. S.**, & Ko, E. K. (2011). Teaching and learning of nature of science and scientific inquiry: Building capacity through systematic research-based professional development. In M. S. Khine (Ed.), *Advances in nature of science research: concepts and methodologies* (pp. 125-152). New York, NY: Springer.
- Kim, B. S.** (2010). Integration of service-learning into elementary science teaching methods courses. *International Journal of Learning*, 17(8), 321-330.
- Kim, B. S.**, & Szpunar, E. D. (2010). Integrating teaching experience into an introductory Chemistry course: The chemistry of global warming. *Science Education and Civic Engagement: An International Journal*, 3, 35-40.
- Kim, B. S.**, & McKinney, M. K. (2007). Teaching the nature of science through the concept of living. *Science Scope*, 30(8), 20-25.
- Kim, B. S.**, Chung, W. H., & Lee, K. J. (2001). The relationship among academic volitional strategies, learning strategy, and achievement in science classroom. *Journal of the Korea Society of Biological Education*, 29(4), 300-308.

Koo, S. J., Kim, Y. S., **Kim, B. S.**, Lee, S. C, & Chung, W. H. (2000). Comparison between BSCS guide to biological literacy and the 6<sup>th</sup>, 7<sup>th</sup> national curricula. *Journal of the Korean Association for Research in Science Education*, 20(3), 396-410.

#### **PRESENTATIONS AT PROFESSIONAL MEETINGS**

**Kim, B. S.**, & Ko, E. K. (201



Ko, E. K., **Kim, B. S.**, & Lederman, N. G. (2010, March). *The Vision of the NSES and the Vignettes from Classrooms*. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, Philadelphia, PA.

**Kim, B.S.**, & Szpunar, D. (2009, August). *Chemistry of Global Warming: Integrating Teaching Experience into an Intro Chemistry Course*. Paper presented at Summer Institute of Science Education for New Civic Engagements and Responsibilities, Chicago, IL.

**Kim, B. S.**, & King, K. P. (2009, January). *Elementary Preservice Understandings about Purposes of Scientific Inquiry*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.

King, K. P., & **Kim, B. S.** (2009, January). *The Science Fair: A Service Learning Experience to Promote Student-directed Inquiry*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.

**Kim, B. S.**, & Lederman, N. G. (2008, April).



**Kim, B. S.**, Koo, S. J., Chung, W. H., & Lee, K. J. (2001, March). *Self-regulated strategy in science classroom: the role of volitional strategy*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, MO.

Koo, S. J., Kim, Y. S., **Kim, B. S.**, Lee, S. C., & Chung, W. H. (2000, May). *Comparison between BSCS guide to biological literacy and the 6<sup>th</sup>, 7<sup>th</sup> national curricula*. Paper presented at the biannual meeting of Korea Association for Research in Science Education, Chun-Buk, South Korea.

### **INVITED PRESENTATIONS**

**Kim, B. S.** (2014, May). Developing an Assessment Tool on Teaching Inquiry Process Skills. RU Accesses Micro-grant Presentation, Roosevelt University.

**Kim, B. S.** (2012, July). *What is the Nature of Science?* Colloquium at Ewa Womans University, Seoul, South Korea.

**Kim., B. S.** (2012, June). Invited talk at International Seminar for the 65<sup>th</sup> Anniversary of Dankook University, Yong-In, South Korea.

**Kim, B. S.** (2011, June). *What Is Nature of Science and What is A Way of Teaching Nature of Science?* Colloquium at Jeju National University of Education, Jeju, South Korea.

**Kim, B. S.** (2010, August). *The National Science Education Standards and Inquiry-based Science Teaching*. Invited Lecture at a Professional Development Workshop for Middle School Science Teachers, Gyeonggi Institute of Science Education, Suwon, South Korea.

**Kim, B. S.** (2010, August). *The Nature of Science, Science Learning, and Scientific Inquiry*. Colloquium at Korea National University of Education, Chungbuk, South Korea.



Philadelphia, PA.