Elementary mathematics content textbook reviewers

Information follows on mathematicians (all members of the NCTQ Mathematics Advisory Group) who evaluate elementary content textbooks in conjunction with our evaluations of programs under **Standard 5: Common Core Elementary Mathematics:**

Dr. Richard Askey

Dr. Askey is an emeritus professor at the University of Wisconsin, where he has taught since 1963. He is a Fellow of the American Academy of Arts and Sciences and an Honorary Fellow of the Indiana Academy of Sciences. He was elected to the National Academy of Sciences in 1999.

Professor Askey's research has primarily been in special functions, which are extensions of the functions studied in high school. In addition to many research papers, he coauthored what is now one of the standard books on special functions. More recently he has become involved in issues regarding mathematics education and was on a plenary panel at the 10th International Congress on Mathematics Education. He has reviewed many mathematics education reports both nationally and for various states. He was an Edyth May Sliffe Award winner for his work with high school students.

Dr. Askey received his undergraduate degree from Washington University, his master's degree from Harvard University, and his PhD from Princeton University.

Dr. Andrew Chen

Dr. Chen is the President of EduTron Corporation. Before founding EduTron he was a professor and a principal research scientist at the Massachusetts Institute of Technology. He continues to teach and conduct research in physics. He frequently consults with education research institutions, including the Institute for Education Science at the U.S. Dept. of Education, and Achieve, Inc. Dr. Chen is on the Common Core State Standards Development Team in Mathematics. Locally he is on the Mathematics and Science Advisory Council for the Massachusetts Board of Education.

Dr. Chen provides high quality professional development in mathematics and science to teachers at all levels through Intensive Immersion Institutes. He works with school districts and school administrators to increase their capacity to support excellent mathematics and science instruction. Dr. Chen also works with higher education institutions to develop rigorous and effective preservice and in-service offerings in mathematics and science. He was an Adviser for the Massachusetts 2008 Guidelines for the Mathematical Preparation of Elementary Teachers.

Dr. Chen received a PhD in physics from Columbia University.

Dr. Mikhail Goldenberg

Dr. Goldenberg was a middle school and high school mathematics teacher for three years in Ukraine. Between 1964-1997, he was a professor of mathematics in South Ural State University in Chelyabinsk, Russia. He has worked with advanced high school students in Chelyabinsk Litseum and mathematics teachers at the Institute for Teachers Advance.

also a member of the NASA Advisory Council, the Achieve Mathematics Advisory Panel and a number of other advisory boards. He was one of the members of the Common Ground Project that included Deborah Loewenberg Ball, Joan Ferrini-Mundy, Jeremy Kilpatrick, Richard Schaar, and Wilfried Schmid. From 2002 to 2005, Dr. Milgram headed a project funded by the U.S. Department of Education that identified and described the key mathematics that K-8 teachers need to know. He also helped to direct a project that evaluated state mathematics assessments. He is one of the four main authors of the California mathematics standards, as well as one of the two main authors of the California Mathematics Framework. He is one of the main authors of the Michigan and Georgia K-8 mathematics standards.

Dr. Milgram received his undergraduate and master's degrees in mathematics from the University of Chicago, and his PhD in mathematics from the University of Minnesota.

Dr. Yoram Sagher

Dr. Sagher is professor of mathematics at Florida Atlantic University and emeritus professor of mathematics at the University of Illinois, Chicago. He has written more than 55 research papers in Harmonic Analysis, Real Analysis, and Interpolation Theory and three research papers in mathematics education. Dr. Sagher directed ten doctoral dissertations in mathematics and one in mathematics education. He directed the doctoral dissertation of M.V. Siadat: "Building Study and Work Skills in a College Mathematics Classroom." For his work implementing the methods developed in that paper, Dr. Siadat was named "Illinois Professor of the Year" in 2005 by the Carnegie Foundation.

Dr. Sagher taught numerous continuing education courses for in-service elementary school and high school teachers in Chicago. He also created the course "Methods of Teaching High School Mathematics" at the University of Illinois, Chicago. The course serves as the capstone course for students preparing to become high school mathematics teachers. Dr. Sagher developed highly effective teaching methods that, in combination with the Singapore mathematics textbooks, have produced outstanding results in elementary and middle schools from Boston to Los Angeles, including The Ingenuity Project in Baltimore and Ramona Elementary in Los Angeles. He co-organized two international conferences in mathematics education: Numeracy and Beyond I, Pacific Institute for the Mathematical Sciences at the University of British Columbia, Vancouver, Canada, July 2003, and a follow-up conference, Numeracy and Beyond II, Banff, Canada, December 2004. He provided a week-long intensive workshop to teachers in Trinidad in July 2010. In 2012 he was hired by the World Bank to counsel the Secretary of Education of Rio de Janeiro.

Dr. Sagher received his BS degree from Technion, the Israel Institute of Technology, and his PhD from the University of Chicago.