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**STEM-TAC: 152 Ohio Teachers and College Faculty Appointed
to Science and Mathematics Education Standards Review Team**

Advice also sought for Ohio School Funding Advisory Council

For immediate release

Columbus (November 16, 2009) . . . The Ohio Academy of Science today selected 31 Ohio pre-college faculty members and 121 professors and researchers from 38 colleges and universities to review Ohio's draft science and mathematics education standards and to advise the Academy on evidence-based educational policy for the Ohio School Funding Advisory Council.

"Many of the pre-college teachers were selected because their schools are engaged in project-based curricula, the central element of any *STEM education program," said Mr. Lynn Elfner, the Academy's CEO. "Presidents of 38 colleges and universities recommended the college faculty and researchers," he continued.

Known as *STEM-TAC, the Academy's committee will (1) examine how well the draft science education standards address scientific inquiry and technological design, the central focus of the standards; (2) assess the scientific accuracy of the PreK-8 content statements; (3) consider how the draft standards will help prepare high school students for college introductory STEM classes; and (4) determine how effective the mathematics standards will be to help teachers teach science at the pre-college and college level.

The Ohio Department of Education (ODE) has delayed the release of the mathematics standards pending release of the National common core mathematics standards in January 2010. ODE may add up to 15 percent additional "Ohio" material to the national mathematics standards.

Inquiry and technological design as both pedagogy (how we teach) and content are the central focus of Ohio's science education standards according to the just-released draft science education standards.

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NOVEMBER 16, 2009

State Senate President Bill Harris recently appointed the Academy's CEO, Mr. Lynn Elfner, to serve on the Ohio School Funding Advisory Council created by Am. Sub. H.B. 1, the State budget bill.

"I will draw heavily upon the practical experience and research knowledge of the members of STEM-TAC to fulfill my role on the Ohio School Funding Advisory Council," said Lynn Elfner.

The Ohio School Funding Advisory Council will make recommendations for revisions to the educational adequacy components of the school funding model established in the State budget bill. The recommendations shall be based on current, high quality research, information provided by school districts, and best practices in operational efficiencies.

About The Ohio Academy of Science

The Ohio Academy of Science strives to be the leading organization in Ohio *to foster curiosity, discovery, and innovation* and to unite all who value education, science, engineering, technology, and their applications to benefit society. See the Academy's website at <http://www.ohiosci.org>

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Editor's note:

1. *STEM is science, technology, engineering and mathematics. STEM-TAC is an acronym for science, technology, engineering and mathematics teacher advisory committee.
2. The revised science education standards are available at:
<http://education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1705&ContentID=76585&Content=76823>
3. A roster of STEM-TAC members, arranged by city, follows on pages 3-5;

The Ohio Academy of Science STEM-TAC Committee

City	Institution or School	Faculty Member	Title
Ada	Ohio Northern University	Dr Debra Gallagher	Assist Prof of Education
		Dr Maria Raiti	Associate Prof of Mathematics
	Akron City Schools	Ms Katrina Halasa	Science Learning Specialist
Akron	The University of Akron	Dr Francis Broadway	Prof of Education
		Dr Richard Londraville	Associate Prof of Biology
		Dr David Steer	Associate Prof of Geology & Env Sci
Alliance	Mount Union College	Dr Sarah Torok	Prof of Psychology
		Dr Kristine Turko	Prof of Psychology
Ashland	Ashland University	Dr Andrew Greene	Assistant Prof of Biology
		Dr Krista Hands	Assistant Prof of Mathematics
Athens	Ohio University	Dr Jeffrey Connor	Prof of Mathematics
		Dr Danielle Dani	Prof
		Dr Laura DiCaprio	Prof of Bio Sciences
		Dr Todd Eisworth	Prof of Mathematics
		Dr Greg Foley	Prof of Mathematics
		Dr Robert Klein	Prof of Mathematics
		Dr Mark Lucas	Prof of Physics
		Dr Lauren McMills	Prof of Chem and Biochemistry
Bellbrook	Bellbrook MS	Mrs Cathy St Pierre	Science Teacher
Bellefontaine	Benjamin Logan HS	Mr Spencer Reames	Science Dept Co Chair
Berea	Baldwin Wallace College	Dr Diana Barko	Assistant Prof of Chemistry
		Dr Natalie Barko	Associate Prof of Bio and Geology
		Dr Teresa Graham	Assistant Prof of Math and Comp Sci
		Dr Dale Grubb	Prof of Psychology
		Dr Michael Melampy	Prof of Biology and Geology
		Dr Edwin Meyer	Assistant Prof of Physics
		Dr Andrew G Mickley	Prof of Psychology
		Dr Jacqueline Morris	Assistant Prof of Bio and Geology
		Dr Jennifer Perry	Associate Prof of Psychology
		Dr Raymond Shively	Chair and Associate Prof of Chem
		Dr R Chris Stanton	Associate Prof of Bio and Geology
		Dr Brian Thomas	Associate Prof and Chair of Psychology
		Dr Sabine Thomas	Associate Prof of Bio and Geology
		Dr Robin Wisniewski	Assistant Prof of Education Division
Bowling Green	Bowling Green State Univ	Dr Emilio Duran	Assistant Prof
		Dr Tracy Huziak-Clark	Assistant Prof
		Dr John B Laird	Prof
		Dr W Robert Midden	Director and Associate Prof
		Dr Eric A Worch	Assistant Prof
	Ridge ES	Ms Stacey Higgins	2nd Gr Teacher
Canton	Glen Oak HS	Ms Judith Sudomir	Science Teacher
Carroll	Bloom Carroll MS	Ms Lynne K Dern	8th Gr Science Advisor
Cincinnati	Anderson HS	Mr Dan Yeager	Science Teacher
	Cincinnati St Tech	Dr Wyatt Cotton	Chemistry Instructor
		Mr Terry Erdmann	Mathematics Instructor
	McNicholas HS	Mrs Gwyn Bush	Retired Teacher
	Turpin HS	Ms Corey Mullins	Biology Teacher
	Univ of Cincinnati	Dr Jonathan Breiner	Associate Prof
		Dr Heidi Kloos	Assistant Prof
Circleville	Bloom Carroll HS	Mrs Diane Gabriel	Retired Science Teacher
Cleveland	Cleveland State University	Dr Petru Fodor	Assistant Prof of Physics
		Mr Mohsen Manoucheri	Manager of Developmental Math

		Dr Conor T McLennan	Assistant Prof of Psychology
		Dr Barbara Modney	Associate Prof of Bio, Geology & Env
		Dr Amir M Poreh	Associate Prof of Psychology
Columbus	Cuyahoga Comm College Columbus State Comm Coll	Ms Valerie Bilchak	Biology Instructor
		Dr Elizabeth Betzel	Prof of Mathematics
		Dr Charlie Gallucci	Prof of Sciences
		Dr Nardos Lijam	Associate Prof of Sciences
		Dr Susan Longenbaker	Prof of Sciences
		Dr Michelle Persinger	Mathematics Instructor
	Franklin University The Ohio State University	Dr Julia Shew	Assistant Prof of Mathematics
		Dr Kody Kuehn	Lead Faculty for Natural Science
		Dr Michael T Battista	Prof of Mathematics Education
		Dr Susan Fisher	Chair of Entomology
		Dr Andrew Heckler	Assistant Prof of Physics
		Dr Steve Rissing	Prof of Evolution, Eco, & Org Biology
		Dr Susan V Olesik	Dow Prof of Chemistry
Concord Dayton	The Wellington School Lake County ESC Carroll HS Sinclair Community College	Dr Nadine K Hinton	Dean of Studies, Lower School
		Mr Richard Benz	Science Consultant
		Mrs Kathy Keller	Chemistry Teacher
		Dr Len Ruth	Prof of Mathematics
Defiance Elyria	Defiance College Windsor ES	Dr Marc Smith	Prof of Biology
		Dr Jo Ann Burkhardt	Head of Teacher Education
Findlay	Chamberlin Hill ES The University of Findlay	Ms Mary Karlovec	2nd Grade Teacher
		Ms Deborah Wickerham	Teacher
Granville	Denison University	Dr Terry D Schwaner	Dean of Sciences
		Dr Gina Dow	Associate Prof of Psychology
		Dr Jordan Fantini	Associate Prof of Chem & Biochem
		Dr Todd Feil	Prof of Math and Computer Science
		Dr Frank Hassebrock	Associate Prof of Psychology
		Dr Thomas Schultz	Prof of Biology
		Dr Wesley Walter	Prof of Physics
		Miss Mary Ann Hartley	MS Science Teacher
		Ms Marie Wenzke	Chemistry & Physics Teacher
		Ms Kathy Laney	Science Teacher
Grove City	Our Lady of Perpetual Help South Western Career Ctr	Mr Roman Boldyreff	Assistant Prof of Biology
		Dr Terry Flum	Biology Instructor
Hicksville Highland Hills Hillsboro	Hicksville HS Cuyahoga Community Southern State Comm Coll	Dr Donald Storer	Prof of Chemistry
		Dr Cara M Constance	Assistant Prof of Biology
Hiram	Hiram College	Dr Nick Hirsch	Assistant Prof of Biology
		Dr Ryan D Honomichl	Assistant Prof of Psychology
		Dr Sarah E Mabey	Assistant Prof of Env Studies
		Dr Denny J Taylor	Prof of Biology
		Ms Rachael Kropiewnicki	Instructor of Biology
Huber Heights Kent	Edison Community College Kent State University	Dr Ruth Leslie	Assistant Prof of Chemistry
		Dr Laura Smithies	Associate Prof of Math Sciences
Lima	Temple Christian School Univ of Northwestern Ohio	Dr Mark D Coulter	HS Science Teacher
		Mr John K Fielding	Associate Prof
Maineville Mansfield	South Lebanon ES North Central State College	Ms Sharon Hall	K-6 Mathematics Teacher
		Mr John Falls	Associate Prof of Mathematics
Mechanicsburg Mount Vernon New Concord	Mechanicsburg HS Mount Vernon MS Muskingum University	Mr Lewis M Milner	Prof of Biology
		Mrs Faith Malone	Teacher
		Ms Kristin Allerdig	7 th Gr Science Teacher
Newark	Central Ohio Tech College	Dr Linda Rogness	Associate Prof of Education
		Dr Stephen Van Horn	Associate Prof of Geology
		Dr Kim Ponto	Assistant Prof of Natural Sciences
		Ms Sandy Siegrist	Prof of Mathematics
		Mr John Snider	Mathematics Instructor
		Dr Donald Stephenson	Assistant Prof of Natural Sciences
		Ms Margaret Trim	Assistant Prof of Natural Sciences

Ohio STEM-TAC Committee

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North Canton Oberlin	Kent State University Oberlin College	Ms Aimee Wagner Dr Kim Finer Dr Yolanda Cruz Dr Patty deWinstanley Dr Elizabeth Hamilton Dr Robert Thompson Dr Jeffrey Witmer	Natural Sciences Instructor Prof of Bio Sciences Prof of Biology Prof of Psychology Prof of German Lang & Lit Prof of Chem & Biochemistry Prof of Mathematics
Painesville Parma	Lake Erie College Cuyahoga Comm College	Dr Deborah Schulman Dr Lois Hansen-Polcar Ms Rebecca Kapley	Prof of Biology Prof of Chemistry Assistant Prof of Biology
Pepper Pike	Ursuline College	Dr Elizabeth Kavran Dr Muserref Wiggins	Assistant Prof of Biology Associate Prof of Mathematics
Pettisville Rio Grande	Pettisville HS Univ of Rio Grande	Mr John Poulson Dr Noyan Er Dr Donna Martin Dr John Means Dr T Michael Rhodes	Ag Science Instructor Assistant Prof of Mathematics Assistant Prof of Biology Assistant Prof of Chemistry Prof of Mathematics
Rocky River Springfield	Rocky River HS Catholic Central JS/HS Clark State Comm College	Ms Ann Brokaw Ms Veronica Phillips Dr Jim Anderson	AP Biology Teacher Science Teacher Prof of Mathematics
St Clairsville Tiffin	Belmont Technical College Heidelberg University Tiffin University	Mr Chuck Dawson Dr Susan Carty Dr Sushmita Ghosh Mr Mike Herdlick Dr Vicki Ingalls	Associate Prof of Engineering Prof of Biology Associate Prof of Science Instructor of Mathematics Assistant Prof of Mathematics
Toledo	St Patrick of Heatherdowns The Univ of Toledo	Mrs Theresa Betori Dr Johan F Gottgens Dr Andrew Jorgensen Dr Denis A White	JH Science Teacher Prof of Environmental Sciences Associate Prof of Chemistry Prof of Mathematics
West Portsmouth Westerville	Portsmouth West ES Otterbein College St Paul ES Walnut Springs MS	Ms Angela Hickenbottom Dr Amy Jessen-Marshall Mrs Margaret Ford Mr John McCoy	2 nd Gr Teacher Associate Prof of Molecular Cell Bio Science Teacher 8th Gr Science Teacher
Wheelersburg Wilberforce	Wheelersburg MS Central State University	Ms Mari Grace Smith Dr Yu Liang Dr Asit K Saha Dr Rajeev Swami	6 th Gr Math Teacher Associate Prof of Computer Science Associate Prof of Mathematics Associate Prof of Professional Ed
Worthington Youngstown	St Michael Youngstown State Univ	Mr Ryan Schwieterman Dr James Andrews Dr Karen Giorgetti Dr Sherri Lovelace-Cameron	JH Science Teacher Prof of Physics Educational Psychologist Associate Prof of Chemistry

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