

# State of Iowa

## Executive Department

IN THE NAME AND BY THE AUTHORITY OF THE STATE OF IOWA

### EXECUTIVE ORDER NUMBER 81

- WHEREAS,** the Governor's Science, Technology, Engineering and Math (STEM) Advisory Council has made significant progress toward the ambitious goal of raising student interest and achievement in STEM; and
- WHEREAS,** from scale-up programs, to regional hubs, to community involvement, the STEM initiative has expanded to every county in every corner of the state; and
- WHEREAS,** Iowa has more than 900 educators, club and faith-based leaders, and others implementing STEM scale-up programs in the 2012-13 school year, which deliver first-rate STEM education to students all over the state; and
- WHEREAS,** STEM initiatives and programs existed in Iowa prior to formation of the Governor's STEM Advisory Council in July 2011, but access depended on where students lived and now the STEM scale-up programs have expanded access across Iowa; and
- WHEREAS,** the Lieutenant Governor and I are committed to restoring Iowa's education system to best in the nation and this goal cannot be achieved without stronger STEM education; and
- WHEREAS,** the Governor's STEM Advisory Council's priorities moving forward include establishing STEM-focused schools or classrooms to offer students more STEM opportunities, building an online best practices STEM clearinghouse, and increasing of the number of top STEM teachers; and
- WHEREAS,** STEM provides an important intersection among K-12 education, higher education, vocational training, job creators, job seekers and communities, and the initiative's growth will continue to foster these important relationships; and
- WHEREAS,** the STEM initiative is engaging business and community leaders, educators from early childhood through higher education, and parents as partners in this initiative to create new education and economic opportunities in Iowa; and
- WHEREAS,** the Iowa Constitution encourages a strong educational foundation by providing that, "[t]he General Assembly shall encourage, by all suitable means, the promotion of intellectual, scientific, moral, and agricultural improvement" (Iowa Const. art. IX, 2d, § 3); and
- WHEREAS,** the rapid rise of awareness and activity of the STEM initiative demonstrates its popularity and the demand for further growth; and
- WHEREAS,** to that end, I am expanding the Governor's STEM Advisory Council in response to continued rapid growth.



**NOW, THEREFORE, I,** Terry E. Branstad, Governor of the State of Iowa, declare that science, technology, engineering and mathematics education should be strengthened as part of creating world-class schools, encouraging innovation and enhancing economic development. I hereby order the expansion of the Governor's Science Technology, Engineering and Mathematics ("STEM") Advisory Council.

1. **Purpose:** The Governor's STEM Advisory Council shall advise the Governor on ways to improve STEM education, STEM innovation and STEM careers in the public and private sectors.
2. **Organization:** The Council shall be composed of members appointed by the Governor. Each member will serve at the pleasure of the Governor without compensation and in an advisory capacity. The Council shall be led by an Executive Committee. In addition to the Executive Committee, the Governor may appoint to the Council:
  - a. representatives with STEM qualifications from the following sectors, including but not limited to: advanced manufacturing, agribusiness, biotechnology, clean energy, engineering, healthcare and information technology, higher education, post-secondary training institutions, early childhood, elementary and secondary education, and vocational-technical education.
  - b. additional qualifying members, including representatives of national STEM organizations as appropriate.
  - c. two members of the Iowa Senate to serve as non-voting, ex-officio members, one majority party member and one minority party member.
  - d. two members of the Iowa House of Representatives to serve as non-voting, ex-officio members, one majority party member and one minority party member.

The Governor's STEM Advisory Council shall be co-chaired by the Lieutenant Governor of Iowa. The other co-chair shall be selected by the Governor for a two-year term. After that, the Lieutenant Governor will continue as co-chair with the other co-chair position to be selected by the Governor and to rotate on a biennial basis.

The co-chairs, or the executive director with the approval of the co-chairs, may direct the Council to form subcommittees to address particular issues facing STEM education and other STEM matters in the State of Iowa. The makeup and nature of each committee shall be determined by the co-chairs.

Administrative operations of the Council shall vest with an Executive Director who will serve at the pleasure of the Council. The Executive Director and Staff shall be housed at the University of Northern Iowa, unless otherwise transferred to another location by the Governor. The Department of Education shall provide staff support to the Council, as needed, to enable the Council to fulfill its responsibilities.

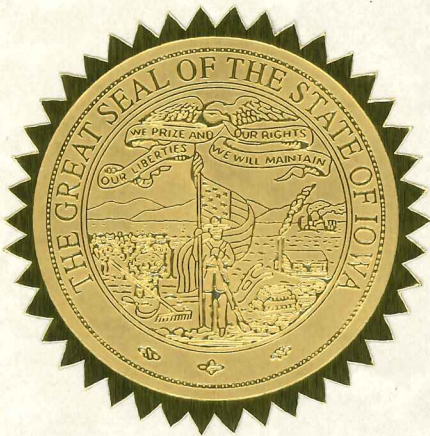
3. **Executive Committee:** Membership for the Governor's Science Technology, Engineering and Mathematics Advisory Council Executive Committee may include the following members appointed by the Governor, or their respective designees:
  - a. Lieutenant Governor of the State of Iowa
  - b. Director of the Iowa Department of Education
  - c. Director of the Iowa Partnership for Economic Progress (Iowa Economic Development Authority)
  - d. Director of the Iowa Department of Workforce Development
  - e. President of Iowa State University
  - f. President of the University of Iowa
  - g. President of the University of Northern Iowa
  - h. Community college president
  - i. Independent college president
  - j. Two representatives of preschool, elementary or secondary education
  - k. Two representatives of private employers who hire job candidates with STEM skills
  - l. Any other individuals that the Governor may appoint.




The Executive Committee shall conduct business on behalf of the full Advisory Council including, but not limited to, launching initiatives, making final recommendations and scheduling meetings.

4. **Goals:** The Council shall have the following objectives:
  - a. collaborate with participants and parties from the public and private sectors to promote STEM education, innovation and careers statewide; and
  - b. work to dramatically increase students' interest and achievement in STEM subjects so they will have a greater opportunity to pursue STEM careers; and
  - c. recommend how to better recruit and prepare teachers to teach STEM; and
  - d. map STEM education to economic development with an emphasis on fostering innovation in research and entrepreneurship; and
  - e. build on the outstanding work of the Iowa Mathematics and Science Education Partnership and the Iowa STEM Education Roadmap to advise on development and implementation of a statewide STEM plan with clear goals; and
  - f. reach other goals and objectives as requested by the office of the Governor.
5. **Activities:** The Council shall undertake the following actions:
  - a. Continue creating a campaign to generate public support for STEM subjects and careers by reaching out to parents, students and others; and
  - b. the Council shall report any findings or recommendations to the Governor, at the request of the Governor, and at such periods as determined by the Co-Chairs; and
  - c. commission reports on issues related to STEM education, innovation and careers to promote an important public conversation about STEM issues; and
  - d. recommend policy changes that will better position Iowa's young people, educational institutions and business and industry to compete in STEM areas; and
  - e. undertake other activities as requested by the office of the Governor.


All agencies, departments and boards of the State of Iowa shall cooperate fully with the Council. The Council may seek the expertise and services of individuals and entities outside its membership for research, advice and other needs, as required to accomplish its mission. Executive Order Number 74, dated July 26, 2011, issued by Governor Terry E. Branstad, shall be rescinded because this order expands and replaces Executive Order Number 74.



IN TESTIMONY WHEREOF, I HAVE  
HEREUNTO SUBSCRIBED MY NAME  
AND CAUSED THE GREAT SEAL OF  
THE STATE OF IOWA TO BE AFFIXED.  
DONE AT DES MOINES THIS 15<sup>th</sup> DAY  
OF MAY IN THE YEAR OF OUR LORD  
TWO THOUSAND THIRTEEN.

  
TERRY E. BRANSTAD  
GOVERNOR OF IOWA

ATTEST:

  
MATT SCHULTZ  
SECRETARY OF STATE