

BUILDING A PRESENCE



for Science in Michigan

BUILDING A PRESENCE FOR SCIENCE

POINT OF CONTACT RESPONSIBILITIES AND OPPORTUNITIES



1. Communicator

Point of Contact Responsibilities

- Be a part of the NSTA online system through an electronic connection (e-mail address).
- Receive information and materials from NSTA, MSTA, MDE, local M&SCs, and other organizations.
- Share this information with colleagues in your building.

Point of Contact Opportunities

- Become part of MDE talent bank, and in this capacity, be called upon to read grants, sit on committees, and be recognized as an advocate for science education.



2. Advocate for implementing the Michigan standards in science

Point of Contact Responsibilities

- Share new information with colleagues in your building, especially that which is linked to current building improvement efforts.

Point of Contact Opportunities

- Serve and advise on key committees: school improvement; science curriculum committee; planning for professional development; PTO/A; and other (as appropriate).
- Speak as a trusted resource for the media when they do science related stories.
- Serve as a building liaison to local M&SCs.



3. Professional development leader

Point of Contact Responsibilities

- Enhance skills in content area (knowledge and pedagogy).

Point of Contact Opportunities

- Participate in regional professional development meetings for science leaders. Such participation might be linked to state certification/recognition.
- Develop skills in leadership (facilitation/coaching) i.e. helping to lead dialogue and study groups to assist colleagues in the improvement of teaching and learning of science: to focus on student work and learning; and improve the use of teacher resources.
- Be a participant in local learning networks, share solutions to common problems, and encourage the formation of local learning communities.
- Be a resource to local universities in helping to support pre-service and new teachers.

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KEY LEADER

RESPONSIBILITIES AND OPPORTUNITIES



1. Communicator

Key Leader Responsibilities

- Be an active participant in the NSTA/Building a Presence online network.
- Receive and distribute information and materials from NSTA, MSTA, MDE, local M/S Centers and other organizations to Points of Contact.

Key Leader Opportunities

- Participate in regional and state BaP KL training and professional development sessions.
- Serve as advocate for Point of Contact with principal and superintendent.
- Work closely with the local Mathematics and Science Center.



2. Advocate for implementing the Michigan standards in science

Key Leader Responsibilities

- Share new information with Points of Contact, especially that which is linked to current building improvement efforts.
- Be knowledgeable of state and national science standards and benchmarks.

Key Leader Opportunities

- Serve and advise on key regional committees.
- Serve as a liaison to local M/S Centers.



3. Professional Development Leader

Key Leader Responsibilities

- Facilitate workshops and study groups in coordination with the local Mathematics and Science Center to enhance skills in content and pedagogy.
- Develop skills in leadership (facilitation/coaching) i.e. helping to lead dialogue and study groups to assist Points of Contact in the improvement of teaching and learning.
- Maintain lines of communication to PoC's through statewide database.

Key Leader Opportunities

- Participate in professional development meetings for key leaders.
- Support a local network of Points of Contact to learn, solve problems and share resources.
- Be a resource to local universities in helping to support pre-service and new teachers.
- Gain professional recognition.

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EDUCATIONAL STATE PARTNERS **RESPONSIBILITIES AND OPPORTUNITIES**

Who: K-12 Schools, Institutions of Higher Education, Mathematics/Science Centers, Michigan Department of Education, Michigan Science Teachers Association and other Professional Organizations, such as ASCD, MASSP, MANS.

1. Advocacy

Educational State Partners' Responsibilities

- Support standards-based science education.
- Support State vision for high quality science learning opportunities for ALL students.
- Support for providing highly qualified teachers in all classrooms.
- Support and maintain/increase infrastructure for success.

Educational State Partners' Opportunities

- Working with and support for mathematics/science centers.
- To broaden awareness across networks.

2. Communication/Collaboration

Educational State Partners' Responsibilities

- Follow criteria/guidelines when posting information in the Building a Presence for Science Web site.
- Collaboration must benefit end-user.

Educational State Partners' Opportunities

- Use network to communicate and disseminate key information.
- Share information statewide.
- Collaborate with other partners.
- Receive recognition on Building a Presence Web site.

3. Resources

Educational State Partners' Responsibility

- Offer resources aligned to vision/mission of high quality science for ALL.

Educational State Partners' Opportunities

- Use state partner resources to support National and State science standards.
- Offer discounts and direct benefits to teachers.

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FOUNDATIONS/INFORMAL SCIENCE ORGANIZATIONS RESPONSIBILITIES AND OPPORTUNITIES

Who: Links to science related Businesses, Museums, Zoos, Professional Organizations, and Individual Philanthropies.



1. Advocacy

Foundations/Informal Science Organizations Responsibilities

- Support standards-based science education.
- Support State vision for high quality science learning opportunities for ALL students.
- Support for providing highly qualified teachers in all classrooms.
- Support and maintain/increase infrastructure.

Foundations/Informal Science Organizations Opportunities

- Working to support local and statewide Mathematics and Science Centers and Science Organizations.
- To broaden awareness across networks.



2. Communication/Collaboration

Foundations/Informal Science Organizations Responsibilities

- Follow criteria/guidelines when posting information in the Building a Presence for Science Web site.
- Collaboration must benefit end-user.

Foundations/Informal Science Organizations Opportunities

- Use network as a communication/dissemination tool.
- Share information statewide.
- Collaborate with other partners.
- Receive recognition on Building a Presence Web site.
- Work to support local and statewide Mathematics and Science Centers and Science Organizations.
- Serve on Mathematics/Science Center Boards and collaborate with the Michigan Science Teachers Association.
- Expand contacts to larger network.



3. Resources

Foundations/Informal Science Organizations Responsibility

- Offer resources aligned to vision/mission of high quality science for ALL.

Foundations/Informal Science Organizations Opportunities

- Offer your resources to support standards-based science education.
- Offer discounts and direct benefit to teachers.
- Provide your resources to be used by schools.
- Act as a resource to Key Leaders and Points of Contact to help with proposals.

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BUSINESS/GOVERNMENT RESPONSIBILITIES AND OPPORTUNITIES

Who: Science and technologically linked organizations in Education, Government: DNR, DEQ, EPA, publishers.



1. Advocacy

Business/Government Responsibilities

- Support standards-based science education.
- Support State vision for high quality science learning opportunities for ALL students.
- Support for providing highly qualified teachers in all classrooms.
- Support and maintain/increase infrastructure.

Business/Government Opportunities

- Work to support local and statewide mathematics and science centers and science organizations.
- Broaden awareness across networks.
- Provide public support and recognition for quality science education.



2. Communication/Collaboration

Business/Government Responsibilities

- Follow criteria/guidelines when posting information on the Building a Presence for Science Web site.
- Collaboration must benefit end-user.

Business/Government Opportunities

- Follow criteria/guidelines when posting information on the Building a Presence for Science Web site.
- Share information statewide.
- Collaborate with other partners.
- Receive recognition on Building a Presence Web site.
- Host professional learning for teachers.
- Involve Key Leaders and Points of Contact in professional development activities.



3. Resources

Business/Government Responsibility

- Offer resources aligned to vision/mission of high quality science for ALL.

Business/Government Opportunities

- Provide resources to support science education in Michigan.
- Offer discounts that directly benefit teachers.
- Share knowledge and resources with Key Leaders and Points of Contact.