

Fall 2004

Dear Colleague,

Thank you for expressing interest in the 2005 Developing Mathematical Ideas (DMI) Leadership Institute. The DMI Leadership Institutes are designed for teams of staff developers, teacher-educators, and others who support the professional development of elementary and middle school teachers in mathematics. This package includes a description of the Developing Mathematical Ideas Curriculum, application forms for both Leadership Institutes, and information concerning program logistics.

DMI modules:

Number and Operations

- Building a System of Tens (BST)
- Making Meaning for Operations (MMO)
- Reasoning Algebraically about Operations (RAO)

Geometry:

- Measuring Space in One, Two, and Three Dimensions (MS123)
- Examining Features of Shape (EFS)

Data:

- Working with Data (WwD)

DMIL 1 focuses on BST and MMO. It is designed for educators who have had no experience with these modules. BST and MMO (but not DMIL 1) are prerequisites for DMIL 2. Participants in DMIL 2 will have a choice of additional work with Rational Number from BST and MMO, or exploring one of the MS123, EFS, WwD, or RAO modules. For summer of 2005, DMIL 2 will involve four of these five strands depending on participant interest. The DMIL 2 application form (included with this letter) includes more information on strand choice.

Attending the leadership institutes requires a serious commitment. The institute opens with dinner on Sunday evening, July 17, and closes at noon on Friday, July 29. Sessions are held from 8:30 to 5:00, and each evening there are reading and writing assignments. Saturday and Sunday, July 23 and 24, are free from scheduled activities. The \$1,900 fee includes room, board, and four graduate credits in mathematics education from Mount Holyoke College.

DMI LEADERSHIP 1

DMIL 1 provides opportunities for participants to become familiar with the first two DMI Number and Operations seminars (BST and MMO), to inquire into the nature of professional development in mathematics, and to consider how to use DMI as a tool to forward the mathematics education agenda at their sites. Program activities allow participants to:

- Develop a sense of BST and MMO as a whole and how ideas build from one session to the next
- Explore the ideas that underlie elementary and middle school mathematics and how children construct those ideas
- Reflect on one's own experience in a community of inquiry to consider implications for teachers' professional development
- Analyze the goals of teachers' professional development and how to meet those goals
- Meet in teams to plan how to further the mathematics education agenda at their site
- Establish relationships with mathematics education leaders throughout the country.

DMI LEADERSHIP INSTITUTE 2

DMIL 2 is designed for educators who are already familiar with BST and MMO, either through having participated in or facilitated these modules or having participated in DMIL 1. Program participants will have the opportunity to become familiar with the newer modules (MS123, EFS, WwD or RAO), to inquire into the nature of professional development in mathematics education, to develop their own skills as teacher educators, and to consider how the DMI materials can be used as a tool to enhance the mathematics education agenda at their sites. Participants will:

- Work in depth with one of the modules: Measuring Space in One, Two, and Three Dimensions, Examining Features of Shape, Working with Data, or Reasoning Algebraically about Operations, or examine Rational Number in BST and MMO
- Have an introductory experience with each of the modules
- Analyze the process of teacher change and how to support that change
- Work on issues of facilitation, e.g., leading whole group discussions, interacting with small groups, giving feedback to teachers' writing
- Meet with their team to discuss features of their own system that can be used to support intensive professional development
- Continue relationships with mathematics education leaders throughout the country.

ATTENDING DMI LEADERSHIP INSTITUTES AS A TEAM

Sites are encouraged to send teams of participants to the Leadership Institutes. Teams may be composed of participants in both institutes. Each team should identify a team organizer (who may or may not attend the institute) to serve as a contact for the site. The team organizer should complete the team cover sheet as part of the application process. (Some educators may choose to attend the program as individuals.)

APPLICATION PROCESS

Every applicant must fill out the four-page application form. We will use the information on page 4 to process the invoice for your fees. Your application will not be considered until we receive all of the information requested. Early applications will receive priority. (Early applicants to DMIL 2 are more likely to receive their first-choice Strand preference.)

We will notify you as soon as acceptance decisions have been made. For those who are accepted into the institute, invoices will be sent to your institution at the same time. Acceptance will be provisional until receipt of payment.

DMI LEADERSHIP INSTITUTE MATERIALS

The institutes are based on the DMI materials, published by Dale Seymour Publications, a division of the Pearson Learning Group, (phone: 800-321-3106). Participants are responsible for ordering their materials and should bring copies of the casebooks and facilitator's guides to the institute.

LIVING ARRANGEMENTS

All DMI Leadership participants and staff will be housed in a Mount Holyoke College dormitory. Meals will be provided in a Mount Holyoke College campus center. Please note that while the classroom and dining spaces are air-conditioned, the dormitory rooms are not. The dormitory and meals facility will be available to participants on the weekend of July 23 and 24 as part of the cost of the program.

Teams attending the leadership program from a distance may wish to rent a car at the airport in order to provide for off-campus transportation. Bradley International Airport in Hartford, CT is the nearest airport. (Mount Holyoke College is a 45-minute drive from Bradley, a two-hour drive from Logan Airport in Boston.) Additional information concerning program logistics will be provided with the letter announcing acceptance into the program.

Please write or call SummerMath for Teachers if you require further information. You may also reach us on E-Mail at SMT-DMIinfo@mtholyoke.edu.

Sincerely,

Virginia Bastable
SMT

Deborah Schifter
EDC

Name: _____ Site: _____

For much of the DMIL 2 institute, participants will be divided into four strands. This year we are offering five choices, and will select the four most frequently requested. Strand 1 will provide an opportunity to work more deeply on the conceptual issues of decimals and fractions in BST and MMO. In Strands 2, 3, 4, or 5 participants will work through one of the MS123, EFS, WwD or RAO modules, respectively. During week 2, participants will engage in practice facilitation based on their selected strand.

Please number your preferences from 1 (most preferred) to 5 (least preferred). Once a strand has 12 accepted applicants, we will consider it closed. If your first choice is a closed strand, we will place you in your second (or third) choice. Early applicants are more likely to receive their first choice. If your first choice is the strand that is eliminated because fewer people selected it, you will be given your second (or third) choice.

Strand 1, working on decimal and fractions concepts of BST and MMO, is recommended for those who particularly want an opportunity to dig into rational numbers.

Strands 2, 3, 4, and 5 are recommended for those interested in facilitating a seminar in one of the other content areas. (See the enclosed overview of DMI for descriptions of the modules.)

- ____ Strand 1 (rational number in BST and MMO)
- ____ Strand 2 (Measuring Space in One, Two, and Three Dimensions)
- ____ Strand 3 (Examining Features of Shape)
- ____ Strand 4 (Working with Data)
- ____ Strand 5 (Reasoning Algebraically about Operations)

Please explain your preference of strand.

Have you previously attended DMIL 1 ? _____ DMIL 2 ? _____

INVOICE INFORMATION
PLEASE TYPE OR PRINT LEGIBLY
THIS INFORMATION WILL BE USED TO GENERATE YOUR INVOICE
EVERY APPLICANT MUST COMPLETE THIS FORM.

An invoice for the \$1,900 program fee, which covers room, board, and four graduate credits in mathematics education, will be sent to your site.

Name of applicant: _____

Name of other attendees to be included on Invoice: _____

To whom should the invoice be sent?

Name: _____

Title: _____

Signature: _____ Date: _____

Address: _____

Phone: _____ Fax: _____

E-mail: _____

Does your facility require a Purchase Order Number? _____

If so, please indicate PO # here: _____

The invoice will be sent from the Education Development Center, Inc. Checks should be made out to the Education Development Center, ATTN: Accounts Receivable Manager and sent to EDC, 55 Chapel St., Newton, MA 02458-1060.

Signature of Applicant Date

(The application will not be processed without this form.)