

OMSC Coalition Meeting

Friday, May 10, 2019

10:00 AM to 3:00 PM

Room 8, 9, Bethel International United Methodist Church

1220 Bethel Road, Columbus, OH 43220

**Agenda**

10:00-10:10 Call to Order 10:10 am

Introduction of first-time attendees:

Harman Aryal from Nepal

Jon Wiseman. ODE, Computer Science Specialist

Additions to Agenda

Dick Goetz to share a Book after lunch

Approval of Agenda

Dick moved, Greg seconded

Unanimously approved

10:10-10:15 Approval of Minutes from February Coalition Meeting

OCTM update OHMIO rather than Olymics

Greg moved, Dick seconded

Unanimously approved

Approval of Treasurer’s Report

Nancy reported and explained the budget

Bill Steenken pays the difference between bill and members payment

Donations - AMATYC

Ed Bischoff moved, Dick seconded

Unanimously approved

10:15-10:30 Membership/Affiliation List and Possible Dissemination

Nancy reported a plan to identify members and affiliation to OMSC website. Asked permission.

-Dick added location of member

-Peggy –each person decides their own affiliation

-Nancy updated the website and calendar.

Greg moved to accept this concept of names, affiliations, and locations by geographic area, and decision if you want to be listed or not.

Dick seconded

Unanimously approved

10:30-11:15 Making an IMPACT on Ohio:

Introducing AMATYC’s Newest Standards Document

Nancy Sattler, Terra Community College and Walden University

1. Defined AMATYC and past documents.

2. Passed out copies of IMPACT

a. 1995 published TYC standards

b. 2006 *Beyond Crossroads –* how to implement standards

To ensure research-based practices are used

c. 2019 *IMPACT* located at http://myamatyc.org/

Passed out the Executive Summary

3. Pillars of Prowess

“PRoficient, Ownership, Engagement, Successful”

4. Group discussion of Proficient

i. Ownership – students, faculty, institutions

ii. Reflection on ownership of learning.

iii. Engagement – how to motivate students

Quaglia (2016) voice at school 7 times more engaged

* Environment learner centered

11:15-12:00 Developing Mathematics PROWESS

by Financial Modeling Using Spreadsheets

Greg Foley, Ohio University

1. Have the skills and the confidence to use them

2. Had members open spreadsheets and modeled several problems by creating a formula that produces arithmetic and geometric sequences that link to linear and exponential graphs.

3. 1995 AMATYC teaching standards first teaching standards for modeling.

12:00-1:00 Lunch

12:50 SECO – Kay Wagner, Ex Dir Emerita, presentation

1. Regional Conf for NSTA Nov 14-16, 2019 Cincinnati

2. PD opportunities with The Grid Method

3. STEMucation Academy (ceemsmsp at NSF)-online PD standards-based STEM units using Challenge-Based Learning (CBL) and Engineering Design Process (EDP)

1:10 Dick Goetz *The Tyranny of Metrics* – Jeremy Mueller

1. Possible to replace judgement with numerical indicators

2. Make metrics public ensures institutions are carrying out requirements

3. Independent discovery – Donald Campbell, corrupt social processes Campbell’s Law

4. Goodhart’s law anything that came be measured can be gained

5. Daniel Koertz: *The Testing Charade*…. (Peggy)

6. Cathy O.Neil: *Weapons of Math Destruction*.

1:00-1:15 ODE Update - Brian Bickley

1. John Wiseman, ODE Computer Standards reported

a. HB 170 create model curriculum to put computer science in the curriculum

b. 2018 required for schools

c. 2019 web site with model curriculum

d. Aug 2019 full implementation

e. Please send message out to colleagues

1:45-2:00 Professional Associations

OCTM Update - Kim Yoak, Ex. Dir,

1. October conference in Kalahari Conference center, Sandusky

2. Program on line in May, 150 sessions

3. OHMIO competitions done

4. OJSM open source journal

5 Charles Bowman, Director for Diversity and Inclusion, convening a task force how to diversify the teaching profession in mathematics

6. Ex Bd link with OCTM in collaboration on a project. What people in STEM careers are doing today.

7. Go to web site for more information <http://ohioctm.org>

OTEEA Update Dick Dieffenderfer

1. Tech Summit to share information

2. Participated at the COSI Big Science Day

3. Showcase at all 12 days of the Ohio State Fair

4. Community Outreach

5. For $35 get free STEM kits from Air Force and other materials

2:00- 2:50 Committee Work Sessions

Formative Assessment –white paper to send to House and Senate to expand the presentation on assessment.

Communications – turning to social media representations, need outside references for an article on Wikipedia.

Transformative Professional Development – formatting a single page summary of 4 areas of transformational PD on one side withfrom references on the back with a rationale for it.

2:50-2:58 Closing Remarks and Adjourn