

# Office of Curriculum, Evaluation & Professional Development

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K-6 Science Coordinator – Pat Cahill

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# Curriculum

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## Overarching Goal:

- Facilitate the horizontal and vertical alignment of the K-12 curriculum.

# Curriculum Cycle

## Curriculum Writing/Revision

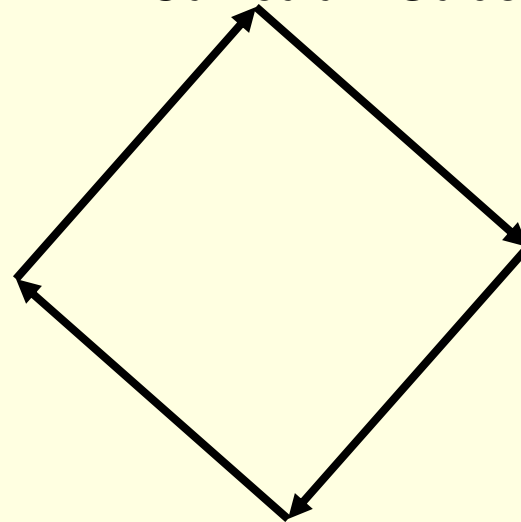
- National Standards
- State Frameworks
- K-12 Curriculum Guide

## Implementation

- Curriculum Resources
- Common Assessments
- Professional Development

## Evaluate and Plan

- Identify goals
- Create action plan



## Data Collection

- Local Data
- Standardized data
- Reflection S/T/A/P/G
- What are others doing?
- Professional literature

# Major Work for the Year

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- General
  - Facilitating conversations K-12
  - Data collection and analysis
  - Planning Curriculum Days
  - Assessing current needs in each area
- Math
  - K-5 math plan
  - 7/8 adoption of Impact mathematics
  - K-16 math curriculum council
- Science
  - K-6 Science – supporting implementation of new science units
- Social Studies
  - K-12 program development
- English
  - K-6 ELA (English Language Arts) review of implementation

# Professional Learning Community

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- A collegial group of educators who are united in their commitment to student learning. They work collaboratively to create shared goals, assess student learning and improve their own practice. Student learning is the shared priority.
- Key questions: What do we want each student to know and be able to do? How will we know they have learned it? How will we respond when a student experiences difficulty in learning? How will we know when a student needs greater challenge?

# Professional Learning Communities

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- School based: Staff meetings, grade level meetings, Inquiry groups, Dept. meetings, Student Support Teams, Teaching & Learning team, Data analysis teams, etc.
- District teams: Language Arts Resource Teachers (LARTS), Math Coaches, Curriculum Committees, Administrators/District Leaders, Early Childhood Team, ELE teachers, etc.
- Professional Development Experiences

# Professional Development Opportunities

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- Year 1 teachers:
- August Orientation
- Individual Mentor
- School based Mentor (MS and HS)
- Teacher Induction Program
- Regular communication
- Focus on Standards II (Plans & Teaches for Learning) and III (Nurtures a Culture & Environment for Learning) in professional development and evaluation

# New Teacher Induction Program

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The workshops are held once a month, 3:30-5:00 in the Professional Development Center. Workshops are designed to provide a solid framework for effective teaching and learning, and to stimulate meaningful conversation and reflection.

Workshops include:

- Navigating the Maze of Professional Rights, Responsibilities & Ethics
- Classroom Management
- Establishing a Culture for Learning
- Understanding by Design
- Enduring Understanding (EU), Essential (Overarching) Questions (EQ), Assessment
- Lesson Planning- Day, Week and Unit
- Introduction to Sheltered English Immersion (SEI)

# Professional Development

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- Year 2 teachers:
  - Ongoing Mentoring
  - Focus on Teaching Standard I (Know and Relates to Students for Learning)
  - Participating in *Studying Skillful Teaching* course with Year 2 colleagues

# Professional Development

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- Year 3 teachers:
- Professional development and evaluation focus on Standard 4 (Monitors and Manages Progress for Learning).
- Participate in *Conversations about Social Justice: Implication for Student Achievement*

# Professional Development

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- Administrators/District Leaders
  - Mentor
  - Participating in *Observing and Analyzing Teaching (OAT)* course
  - Social Justice training

# Professional Development Curriculum and Instruction

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## ■ Elementary Math

- INVESTIGATIONS (Kg, 1<sup>st</sup>, new 2<sup>nd</sup>-5<sup>th</sup> grade)
- On site Coach support
- Bi weekly Coach meeting with Coach Coordinator

## ■ Science

- EiE-*Marvelous Machines* :5<sup>th</sup> grade (Engineering) with Museum of Science curriculum developers
- On site support from Science Coordinator

## ■ English Language Arts (ELA)

- Affiliation with Columbia Teachers College: Lab Site (Wildwood school) professional development in Writing Workshop for LARTS and one teacher leader from each school
- On site support from LARTS

## ■ Professional development Fall/Winter catalog

# EVALUATION Model

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- Directly linked to Professional Teaching Standards and on going growth and Professional Development.
- **Teachers without Professional Status:** Professional Growth Plan, two formal observations (pre-obs, post-obs. conferences and write up) and evaluation.
- **Teachers with Professional Status:** This year traditional evaluation model (goals, formal observation and evaluation) for one quartile of teachers. Prof. Evaluation group will clarify document resulting in implementation of plan for '09-'10.