AGENDA

BLUE VALLEY BOARD OF EDUCATION
CURRICULUM AND INSTRUCTION COMMITTEE

Wednesday, September 5, 2018
4:00 – 5:30 p.m.
Board of Education Room

• Open Forum

• Welcome and Introductions

• Overview of the Committee

• Topics for 2018-2019

• Math Programming

• Next Meeting –
  o Wednesday, October 10, 2018
  o 4:00 – 5:30 pm
  o BOE Room
Welcome and Open Forum
Dr. Merrigan welcomed everyone to the first meeting of the school year. Each member introduced themselves, background, and children in the district (if applicable).

Dr. Merrigan then explained that each meeting would begin with open forum as outlined by BOE policy 1684. During open forum, the following comments were made.

- Celebration of the change to the Latin recognition system for graduating seniors last year.
- Board Room always has artwork displayed. This month we have district art teachers displaying their artwork.

Overview of the Curriculum and Instruction Committee
The Blue Valley Curriculum and Instruction (C&I) Committee is comprised of three BOE members, patrons, students, certified staff, building administrators and district administrators. The mission of this committee is to provide feedback to the BOE and the district. It is important to look at the big picture from pre-K through 12th grade. All of the work that we do is tied to the goals of the district.

The Committee reviewed topics covered the past 3 years and spent time talking about what is planned for the remainder of the school year. The topics covered will mainly pertain to the district goals that the Board adopted this past July. The committee brainstormed the following topics that they would like more information on throughout the year.

- Social Emotional Learning (SEL) and how it is embedded in instruction
- Supports that teachers need around SEL
- The changing dynamics of homework and how this is preparing kids for the future
- Personalized learning and will the 1: Learner initiative affect this
- The quality of virtual education classes
- Review of CAPS classes to determine if we have the right ones
- How can students see or experience careers and jobs in the school day?
- Middle school study items that develop as time goes on throughout the year
Math Programming
Kelly Ott, Executive Director of Curriculum, Instruction & Innovation and Holly McCarty, Blue Valley District Math Coordinator spent some time talking about math programming. The District is embarking on a listening tour this year regarding mathematical programming. This year we will be clearly defining the problem so we understand all of the nuances including our mathematics acceleration process. The committee individually and in small groups identified the upsides and opportunities of current math programming. The information below was shared in the large group but members left all individual ideas as well as it could also enter into the overall ideas.

Upsides
- More cross curricular math opportunities
- Mathematical Mindset and the engagement of kids in mathematics
- Progress toward the growth mindset at the elementary school
- Multiple options in the high school
- Work of those in leadership roles with mathematics
- Actively trying to bring relevance to the math classroom

Opportunities
- Relevance for high school math classes and the tie in to careers
- More hands on projects and activities
- Avoid tricks to explain mathematical problem solving
- Are we inadvertently tracking kids? How do we address mobility between tracks?
- Middle school math class sizes
- Differentiation opportunities for kids
- Parent education regarding what mathematical instruction looks like

Next Meeting:
Wednesday, October 10, 2018
4:00 – 5:30 pm
Welcome and Introductions

• Please introduce yourself and let us know the following…
  – Name
  – Children in the district/school they attend
  – Experience with this committee
Open Forum-BOE Policy 1684

“At each regular or special meeting of the Board, an open forum shall be held so that citizens may participate in the meeting. During the open forum, any person may address the Board with respect to district affairs and may present petitions or other documents for consideration by the Board.”

Who serves on the C&I Committee?

- 3 BOE members
- 12 Patrons appointed by the BOE
- High School Students
- Teachers
- Building Administrators
- District Administrators
Mission

Provide the Blue Valley School District with feedback from interested students, teachers, administrators, and parents willing to study topics and to make recommendations that will benefit all students.

It is important to look at the big picture Pre-K through Grade 12.

Lens must extend to look at student experiences as a whole.
Responsibilities of the Committee

• Learn about curriculum and instruction
• Review new and revised curriculum
• Suggest topics
• Participate and offer feedback
• Represent other parents, staff or students
• Make recommendations when requested
• Share

C&I Topics 2017-2018

• Overview of the C&I Committee
• HS Course Changes
• Blended Learning
• iLit curriculum revisions
• Instructional Design Coach Program
• Math Mindset
• Middle School Programming
• Secondary Technology Impact Study
• Chinese Immersion
• Portrait of a Blue Valley Graduate
C&I Topics 2016-2017

• Overview of the C&I Committee
• HS Course Changes
• World Language Plan
• Assessment Data
• Middle School Study
• Middle School Course Changes
• Math Mindset
• Calendar Feedback
• Academic Support Time
• HS Academic Recognition
• Instructional Changes

C&I Topics 2015-2016

• Overview of the C&I Committee
• HS Course Changes
• KCCRS and Testing
• KSDE Tour Feedback
• AVID
• HS Transcript Review
• Role of the Counselor
• MS Study Overview
• Naviance
• Early Childhood
C&I Topics 2018-2019

- Overview of the C&I Committee
- HS Course Changes
- Math Programming
- Qualities of a Blue Valley Graduate
- Elementary STEM Curriculum
- CTE Programming
- 1:Learner
- Mentoring for Teachers
- Middle School Update
- Chinese Immersion Update
- Virtual Education
- Elementary Technology Impact Study

Are we missing topics?
2018-2019 Meeting Dates

• September 5, 2018
• October 10, 2018
• November 14, 2018
• December 12, 2018
• January 9, 2019
• February 20, 2019 (Will meet in ID Lab at HCC)
• March 20, 2019
• April 10, 2019
• May 8, 2019

**All meetings will be held from 4:00 – 5:30 pm in the Board of Education Room at District Office unless noted.

Questions
Future-Ready Math

BLUE VALLEY MATHEMATICS PROGRAMMING 2.0

Kelly Ott, Executive Director of Curriculum, Instruction & Innovation
Holly McCarty, K-12 Mathematics District Coordinator
Which One Doesn’t Belong? Why?

9   16

25   43
Future-Ready Mathematics

A study

new standards
new needs
new strategies to reach all learners
THE PROCESS

Future-Ready Mathematics

clearly define the “problem”
develop strategies
implement improved program

2018-19  2019-20  2020-21
THE PROCESS

Future-Ready Mathematics

clearly define the “problem”

develop strategies

implement improved program

2018-19

2019-20

2020-21
Claude Shannon
Mathematician  |  1916-2001
“Father of the Information Age”
Claude Shannon
Mathematician | 1916-2001
“Father of the Information Age”

“If you don’t find the core of a problem, you start off with all of the wrong details, which is then going to encourage you to add many more of the wrong kinds of details until you’re stuck.”
clear problem statement(s) + critical and creative thinking = problem solving
Help Clearly Define Our "Problem"

- Upsides
- Downsides
Future-Ready Math

BLUE VALLEY MATHEMATICS PROGRAMMING 2.0

Kelly Ott, Executive Director of Curriculum, Instruction & Innovation
Holly McCarty, K-12 Mathematics District Coordinator