K-5 TECHNOLOGY SKILLS
CURRICULUM ADOPTION PROPOSAL (CAP) REPORT
APRIL 2015

Background of Technology Skills Instruction in BHM Schools

As technology tools become an ever-increasing integral part of our lives, the importance of providing opportunities for our students to acquire technology skills and learning appropriate use becomes more evident. Currently elementary students in BHM Schools receive a wide variety of technology skills instruction, and this is not consistent from one elementary site to another. To-date we have had no required scope and sequence around technology skills. At some of our elementary sites, specific, stand-alone technology instruction occurs on a regular basis. At others, it is quite limited. As a result, when our students enter BCMS as sixth graders, they arrive having had varied exposure and varied experiences.

Because technology has become so intertwined with what we do, adopting a K-5 Technology Skills Curriculum for BHM Schools is being proposed. Our students would benefit from a consistent base instruction of elementary technology skills as a part of their K-12 learning experience so they may build on the skills acquired in their elementary years during their secondary programming experiences.

International Society for Technology in Education Standards

There are no Minnesota state standards or required curriculum goals to guide our work, however, the International Society for Technology in Education (ISTE) is a highly-respected organization that has guided the district's work in technology education for a number of years. According to the ISTE website, this organization "is a not-for-profit organization dedicated to supporting the use of information technology to aid in learning, teaching of K-12 students and teachers." The standards they have developed were selected to guide this work of developing an elementary technology skills scope and sequence as well.

Click the link below to view the ISTE standards:
ISTE Standards

Summary of Process for Review of Programming and Instructional Resources

To develop the proposed K-5 Technology Skills, a curriculum team was established this school year. Members included representatives from all elementary sites and all elementary grade levels, plus BCMS and BHS representatives. Members also included both "high-end" technology users and "low-end" technology users. The team was facilitated by Director of Technology Dr. Mat Nelson, and Director of Teaching & Learning Pam Miller.

K-5 Technology Scope & Sequence Team

Kindergarten	Elissa Henricks	Tatanka Elementary
Grade 1	Katie Deneen	Northwinds Elementary
Grades 1-2	Kris Schroeder	Discovery Elementary
Grade 3	Sheila Simonson	Parkside Elementary
Grade 4	Wendy Nelson	Montrose Elementary
Grade 5	Jen Mueller	Hanover Elementary
Grade 6	Robin Nyquist	BCMS
Library Media/Technology	Joan Olson	Northwinds Elementary
STEM Curriculum Coordinator	Cynthia Mueller	Tatanka Elementary
English	Ryan McCallum	BCMS and BHS
Business Ed	Becky Karna	BHS
Business Ed	Jennifer Kremers	BHS
Tech Integration	Jen Wykle	BCMS and District-wide
Director of Teaching & Learning	Pam Miller	District-wide
Director of Technology	Dr. Mat Nelson	District-wide

This curriculum team explored samples of technology scope and sequence documents from other districts, created a draft for BHM, gathered input from colleagues at their respective sites, and revised the document into the technology skills document proposed.

The proposed scope and sequence was developed without the use of device-specific terms, knowing how quickly the technology tools we utilize change. Even though the attempt was made to create a document that could last over time, we recognize the need for review and updates on occasion as the technology evolves.

Recommendations

The K-5 Technology Scope & Sequence Curriculum Team recommends adopting the locally-developed proposed technology skills for BHM Schools for implementation in 2015-2016. The team also recommends adopting the ISTE Standards as the locally-selected standards to guide the integration of technology where appropriate in the BHM curriculum and instruction. These skills and standards will serve as the framework for our elementary technology instruction for students.

Click the link below to view the proposed elementary scope and sequence:
PROPOSED TECHNOLOGY SKILLS

Financial Implications

The cost associated with this proposal is for curriculum writing time for a team of teachers to develop suggested integration opportunities for elementary teachers to implement the proposed skills. The curriculum writing will take place in Summer 2015 under the direction of Teaching &

Learning, and will be included in the curriculum writing budget.

Evaluation

As with all BHM Curriculum, the K-5 Technology Curriculum will be evaluated and reviewed within the existing district's continuous improvement process. Adjustments will be made after implementation in year one, after which an ongoing improvement team will be established with the district curriculum review as with other programs.

Next Steps

This proposal will be presented at the April 27th board meeting with a recommendation for adoption at that time. If approved, a summer writing team will be established to recommend potential integration ideas at each grade level. The team will also identify training needs for elementary teachers and develop a plan for training during the back-to-school workshop in the fall. Implementation will be monitored throughout the 2015-2016 school year and adjustments planned after input is received.