

Contributions to HKIS Upper Primary 2002-2007

David Carpenter

Curriculum/Instruction Development & the Integration of Technology

Approached technology integration in the manner of a “farmer” planting idea seeds, offering support and nurturing staff members trying technology and/or new instructional practices. Worked as a teaching partner to collaborate and cross-pollinate ideas that were then built upon by other staff members.

Teamed with teachers to assess student technology needs to develop the UPS technology curriculum, matching it with our adopted standards and benchmarks. Posted the standards, benchmarks and curriculum on the web while directly sharing with staff through their grade level meetings.

Helped to re-shape the curriculum development process by identifying key stakeholders and involving them in unit planning and documentation. Co-wrote procedure paper describing the unit planning and creation process. Helped guide implementation of Understanding by Design curriculum review process.

Collaborated in curriculum development meetings to integrate technology and information literacy skills into the social studies and science curriculum units. Worked to differentiate content, process and products to better support student understanding.

Initiated the teaching of the technology curriculum to each grade level of classrooms.

Worked one-on-one with teachers to plan activities and co-teach lessons involving technology.

Partnered with 5th grade teachers to expand the use of digital portfolios to all their classrooms.

Assessed teachers for their views on how to create and develop a student keyboarding program. Developed a program focusing on keyboarding in the third grade which freed up the other two grades to other areas of technology use. Authored the UPS Keyboarding skills development program.

Rewrote the Responsible Use Policy.

Collaborated with HKIS webmaster to introduce the virtual learning tool Moodle as our online classroom tool to deliver curriculum in case of school closure. Championed its use for forums, wikis and other tools to support regular classroom instruction.

Led the introduction of the myDragonnet classroom management, curriculum mapping and digital portfolio tool for the Upper Primary division.

Major Upgrading of School Website and Online Teaching Resources

Worked with HKIS webmaster to create and expand the new UPS website to use Mambo server based web software which facilitated much easier updating/editing of pages by teachers.

Taught teachers and teaching assistants to use the new image gallery online tool to share more easily and efficiently images of students on our website.

Moved to have all teachers have class websites. Set a baseline of expected ways to use these sites to build on for future expansion of how we leverage the Internet in our teaching and communication.

Created the Info Tech webpage to inform teachers, parents and students about how technology is integrated at the UPS.

Partnered with the Media Specialist to research online resources to support the teaching of the Social Studies and Science curriculum.

Video Production for Learning

Re-developed the DragonNews program based on assessment of teacher expectations. Made it into a project-based instructional tool, naturally differentiated for multiple intelligences.

Refocused the production process to be more student-centered with students managing the storyboarding, writing, video shooting and editing of the final product.

Wrote guidelines and created procedures centered on integrating each class's language arts and other curriculum into the DragonNews.

Improved audio quality of the DragonNews and other video productions thus increasing the number of viewers.

Used video to document innovative instructional strategies.

Integration of Selected Software for Learning

Assessed teacher and student use of our educational software. Used this information as a guideline for purchase of new software and deletion of old.

Consulted with curriculum leaders to begin the process of identifying specific software that could be integrated into unit plans to support individual learning activities.

Leadership & Support of Staff Professional Development

Developed an online teacher resource and professional development site called the Teacher Toolkit. It provided information on a variety of instructional models, best practices, tutorials and how to integrate specific types of software and hardware into classroom instruction.

Worked to find early adopters and other teacher leaders in using technology. Used the **Tech Update** blog, staff emails and personal contact to celebrate and raise stature of these leaders in our school. Formed a team called the Teacher Technologists and Head Moodlers to support technology use in their respective grade levels.

Co-led effort to prepare for and then run virtual school during SARS when HKIS closed. In 2005 initiated a school-wide effort to prepare for the possibility of future virtual school. Partnered with the principal to guide the process.

Oriented new staff and returning staff with multimedia presentations in order to share the role of the Instructional Technologist (IT), the goals for each year and vision for several years in the future. Provided ongoing workshops over the first month of employment to support their use of technology.

Started professional development after-school workshops entitled Teachers Teaching Teachers (TTT). Workshops centered on teaching technology skills but also included teachers sharing best practices and findings from conferences they attended.

Helped initiate the team approach to providing services for our Gifted and Talented students (GATE). Drew on counseling experience and recent university classes in gifted education.

Participated in a weekly discussion group studying the brain and learning. Member of the Upper Primary's Instructional Council.

Professional Assignments across Divisions of the School

Member of Strategic Planning Alignment Result team.

Member of the Information Technology Curriculum Review team.

Member of the 2005-2006 school year virtual school development team. Member of Curriculum Mapping Design project team.

Worked to help organize monthly meetings of HKIS instructional technologists.

Provided leadership in pursuing a needs assessment and design process to further develop the myDragonnet classroom management software to eventually become a fully functioning curriculum mapping tool.

Worked with Lower Primary School (LPS) Instructional Technologist and LPS school principal to write the elementary IT job description.

Community Building/ Community Education

Baseball & Basketball Coach in children's community league.

Ran numerous After-school Activities.

Assisted in instructing GATE students on "Super Saturdays."

Conducted "Children's Film Nights" for families in our apartment building. Organized and conducted weekly staff volleyball games.

Designed and produced teacher and student end-of-the-year multimedia presentations to celebrate the year.

Celebrated students and teacher accomplishments with photos and news stories by continually updating our school home page.

Publications

Celebrated teacher accomplishments through articles in **The International Educator**, **Learning and Leading with Technology**, George Lucas Education Foundation **Edutopia** Online Magazine and our in-house monthly **Tech Update** newsletter. Also celebrated teacher best practices through a section of the Teacher Toolkit website.

Supported teachers' efforts to be published in **Intel Odyssey** Web magazine and **Multimedia & Internet@Schools**.