Kettle Moraine Lutheran Federation of Schools
K-12 Technology Curriculum
Academic Standards
December, 2005

Introduction

As members of a society that has been and will continue to be shaped by technological advances, students of the KML Federation need to be trained in the proper use of the tools that will equip them to be productive members of that society. The driving forces behind much of the technological change have to do with changes and advances in communication. As believers in Christ, compelled by His words in Matthew 28:19-20, "Therefore go and make disciples of all nations, baptizing them in the name of the Father and of the Son and of the Holy Spirit, and teaching them to obey everything I have commanded you.", these students must learn to effectively communicate that message in the media of the world around them.

The KML K-12 Technology Curriculum follows the National Educational Technology Standards for Students (NETS*S): Connecting Curriculum and Technology, produced by the International Society for Technology in Education (ISTE). This set of standards was chosen as a basis for our work over the Wisconsin Model Academic Standards (WMAS) for Information and Technology Literacy for two reasons. First, although the WMAS for I&TL are aligned with NETS*S, NETS*S has continued to provide useful resources that have adapted the standards to current technology, whereas the WMAS for I&TL remains unchanged since 1998. Secondly, the WMAS for I&TL content standards B, C and D focus on areas that do apply to information gathering and use, but are really technology neutral and appear to be items that should be included in a K-12 Language Arts Curriculum.

Having found no disagreement between the NETS*S documents and the inerrant word of God, the K-12 Technology Curriculum Committee has adopted the following documents which are attached:

- *NETS for Students Profiles for Technology Literate Students* (produced by ISTE)
- *NETS for Students: Achievement Rubric (Draft – March 22, 2005)* (produced by NCREL)
- *Core Technology Literacy Framework PreK-8* (based on NETS, produced by the School District of Philadelphia)

We have also prepared an extension to the *Core Technology Literacy Framework PreK-8* that spells out the competency levels for grades 9-12 in order to make the framework applicable to our K-12 Federation.

Additional Recommendations

The KML K-12 Technology Curriculum Committee has two additional recommendations to be considered. Both deal with the fact that the scope of the curriculum which is laid out here will affect nearly every subject in every classroom in every school in the Federation. First, it is suggested that in addition to our students, the teachers in our classrooms and administrators in our schools need to also make progress toward mastery and application of many technological skills. To that end, the following documents have been attached:

- *NETS for Teachers: Profiles for Technology Literate Teachers* (produced by ISTE)
- *NETS for Administrators: Profiles for Technology Literate Teachers* (produced by ISTE)
- *NETS for Teachers: Achievement Rubric* (produced by ISTE)
- *NETS for Administrators: Achievement Rubric* (produced by ISTE)

Second, it is suggested that it might be of benefit to the entire Federation and to the individual schools if each school were to select, from within their faculty, a Technology Coordinator, if this has not already been done. It is our hope that these Technology Coordinators would then have the opportunity to meet regularly during the school year in much the same way that the principals and athletic directors do in order to provide mutual support, assistance and knowledge transfer. The role of the Technology Coordinator within the school would not necessarily have to be filled by someone who has technical training or experience in the area of technology. The position is intended to be a curricular post held by someone who will monitor and champion the school's efforts to achieve the competency levels outlined in the K-12 Technology Curriculum.