Bring your own Device (BYOD) Proposal
For the Lower Moreland Township School District

Overview –
As K-12 budgets continue to tighten, a growing number of school districts are looking at "1 to 1 computing" or introducing "bring your own device" (BYOD) strategies as a way to expand mobile and digital learning — allowing for greater access to interactive digital curricula, electronic textbooks and online applications — into the classroom. "Bring Your Own Device" (BYOD), is a model which espouses prioritizing a wireless-enabled environment which then affords users to bring a tool which best meets the users' needs. The BYOD approach is gaining currency because it removes schools from assuming the role of owner and distributor of a device and places the user in control of that decision. In a world in which technology changes occur rapidly, this has significant economic efficiencies for schools while allowing students to use devices with which they are most comfortable.

Research –
In addition to attending several webinars on the topic of BYOD, the following individuals attended the Pennsylvania Educational Technology Expo and Conference (PETE&C) on February 14, 2012.

Sue Casagrand, Director of Technology
Joanne Fox, Gifted Teacher HS
Amanda Bowe, Math Teacher HS
Steve Kelly, Tech Ed Teacher and Tech Lead Teacher MA
Jim Horrell, Teacher MA
Craig Freeman, Teacher MA
Ellen Zschunke, Librarian and Tech Lead Teacher PR
Bob Barnhart, Teacher and Tech Lead Teacher PR

The goal for attending the PETE&C conference was to research extensively the current trends of “one-to-one” BYOD (Bring your own device) mobile technology which will support our strategic plan programmatic goals to develop digital, global citizens.

Several sessions at the conference were dedicated to BYOD as follows:

1. BYOD – What’s Your Plan (presented by ePlus Technologies)
2. BYOD – What are you doing? (presented by ePlus Technologies)
3. BYOD – Development to Classroom Management (presented by Unionville-Chadds Ford S.D, Hanover Township S.D, and Mount Union Area School District)
4. Beyond the Classroom with Simple One-to-One BYOD (presented by Harrisburg Academy)
5. BYOD – How we made it work (presented by Quakertown Community School District)
6. BYOT – Boost your overwhelmed Teachers (presented by Mount Lebanon School District)
7. Banning or Embracing Mobile Devices? (presented by Sayreville Public Schools)
8. Learning Anytime and Anywhere (Vendor presentation)

For purposes of BYOT, “Technology” means a privately owned wireless and/or portable electronic hand held equipment that includes, but is not limited to, existing and emerging mobile communication systems and smart technologies, portable internet devices, Personal Digital Assistants (PDAs), hand held entertainment systems or portable information technology systems that can be used for word processing, wireless Internet access, image capture/recording, sound recording and information transmitting/receiving/storing, etc.

- BYOT is the use of any technology device that the student brings to school to assist their learning.
- Student devices access filtered Internet through the BYOT wireless network.
- BYOT can be used with any grade level, but LMTSD recommends use initially in grades 6-12. Empowering the students to make decisions regarding how they will learn in class.
**Goals of BYOT**

1. Increase students’ knowledge and understanding in all curricular areas by harnessing the power of technology in the classroom
2. Enhance the skills students need to live successfully in the 21st century
3. Optimize the advantage of students’ ownership of—and readiness to use—personal technology devices to learn, communicate and collaborate in school
4. Increase students’ desire to learn beyond the school day
5. Increase students’ responsible and appropriate use of technology

**Responsible/Acceptable Use Procedure Changes for BYOT**

- **Students are permitted to connect** to the district network via the secure wireless connection provided by the school system, but all access must be in accordance with this Acceptable Use Policy.
- **Students are NOT permitted** to use their own computing devices to access the Internet via personal Wi-Fi accounts or by any manner other than connecting through the secure wireless connection provided by the school system.
<table>
<thead>
<tr>
<th>Action Steps(s):</th>
<th>Person(s) Responsible</th>
<th>Timeline: Start/End</th>
<th>Needed Resources</th>
<th>Evaluation</th>
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</thead>
<tbody>
<tr>
<td>Establish BYOD policy, guidelines, and website</td>
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<td>Gain an understanding of the policy as implemented in the district</td>
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<td>Create anonymous staff survey to gage implementation and obstacles and to solicit effective ways in which they could implement the BYOD program.</td>
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<td>Zoomerang - teacher survey</td>
<td>Create a list of ideas</td>
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<td>Address Equity issues. How can we maximize use of hardware on hand to reduce equity issues. Discuss pairing, collaborative groups, and instructional strategies) Determine whether school supported, mobile wireless notebook computers will be provided to students who do not have a device.</td>
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<td>Have Teachers participate in several professional learning opportunities to ramp up their knowledge and comfort level for this new way of learning.</td>
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<td>Move towards cloud based computing which requires no software (Google Docs, Voice Thread, etc)</td>
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<td>Build the Wireless Infrastructure</td>
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<td>Increase District Bandwidth</td>
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<td>Review Access Point saturation</td>
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<td>Establish Printing options for students</td>
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<td>Investigate programs like the one Comcast has offered where students with greatest need have access to cheap home internet access and a high quality device for $150.</td>
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<td>Follow up - Conduct interviews with department heads (core classes, electives, special education) and principal to discuss the effectiveness (including what works and what doesn’t) of the program and discover ways they are seeing the BYOD program being used in the classrooms.</td>
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<td>Time to meet with department heads. Lesson plans from teachers. Meeting space. Computer for note taking.</td>
<td>Review informal interview notes. Make list of effective lessons. Document how the program is working and ways it could be improved.</td>
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<td>Meet with technology lead teachers to find out other ways teachers are</td>
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<td>Create list of suggested activities.</td>
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<td>Using the BYOD program throughout the district and get additional implementation suggestions.</td>
<td>Technology lead teachers</td>
<td>Compare and contrast suggested activities with what is actually being done by teachers.</td>
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<td>Survey students to discern which BYOD activities they enjoy, and don’t enjoy, and any ideas they have for implementing the program.</td>
<td>Student survey</td>
<td>Create a list of enjoyed activities. Create a list of recommended activities.</td>
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<td>Conduct internet search of current BYOD programs.</td>
<td>Internet</td>
<td>Compile a list of additional best practices and ideas to consider for implementation.</td>
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<td>Create a wiki/website that details BYOD activities and allows teachers to share and comment on others ideas. Include a section for teachers to post activities that were NOT effective.</td>
<td>Wikispaces</td>
<td>Monitor wiki and remind teachers to post ideas.</td>
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<td>Post blog reflections and ongoing wonderings, ideas for continued development of BYOD.</td>
<td>Blog</td>
<td>Reflect and document progress.</td>
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<td>Discuss/Clarify teacher freedom and autonomy in classroom instructional decisions regarding BYOD.</td>
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<td>Policy and Procedure Changes – Clarify/create administrative policy changes to remove hurdles for students as they relate to technology usage.</td>
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<td>Identify Teacher Leaders that can move ahead with the implementation and begin to integrate 21st Century Skills with BYOD.</td>
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<td>Prepare a Protocol for the Student Use of Technology while on the LMTSD campus. (AUP &amp; Consent form)</td>
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<td>Establish a Timeline for BYOD Program implementation</td>
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Resources:
https://education.kennesaw.edu/edtech/byot

Redefining Instruction With Technology: Five Essential Steps
http://www.edweek.org/tm/articles/2012/01/25/tln_magiera1.html?tkn=PYNDi56%2BZ609gZDLmC4%2B5GTDbElq6fJny1&intc=es

http://byod.hanoverpublic.org/


http://www.bernardsboe.com/BernardsBOE/default.aspx


http://www.bernardsboe.com/BernardsBOE/Links_Parents_Students.aspx


http://byod.hanoverpublic.org/


https://docs.google.com/document/d/1H_X566y0k4h7RNIIsKtumAZxDVCUXcvZ-H6CJDeVBIQ/edit?authkey=CJmdl-QG&hl=en_US&pli=1#

http://iclassroom.mtlsd.wikispaces.net/

http://2011techmenuday.mtlsd.wikispaces.net/

https://sites.google.com/a/warwicksd.org/bring-your-own-device/home

http://dmlfns.wikispaces.com/BYOLaptop7-9

http://pairadimes.blip.tv

http://www.slideshare.net/samgliksman/building-an-effective-school-byod-plan