Technology & Engineering Education Program Update
Upper Merion Area High School
Updates

• Review of ‘next steps’ from June 2014 meeting
Next Steps - June 2014

• Continue to develop curriculum
• Renovate/equip Tech Ed classroom
• Develop STEM integration opportunities
• Continue to expand extracurricular opportunities.
2014-15 Technology & Engineering

**INTRODUCTORY**
- STEM: Principles & Practices
- STEM: Design & Fabrication
- Introduction to Engineering

**ADVANCED**
- Engineering Systems
- Advanced Topics in Engineering
Program Enrollment

• 56 students 2012-2013 (3 female)
• 84 students 2013-2014 (10 female)
• 117 students 2014-2015 (24 female)
Renovate/Equip STEM Lab

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<tr>
<th>Classroom</th>
<th>Fabrication Equipment Room</th>
<th>STEM lab</th>
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Renovate/Equip STEM Lab

Classroom  Fabrication Equipment Room  STEM lab
Renovate/Equip STEM Lab

• Curriculum Projects $12,000
• Fabrication equipment/tools $64,000
• General Maintenance/Furniture $150,000

(see Handout for itemized breakdown)
Laser cutting, CNC, 3D Fabrication
Next Steps 2014-15

• Develop STEM integration opportunities
• Engineers week
• Continue to expand extracurricular opportunities.
• Governor’s First STEM Initiative
• Explore Dual Enrollment opportunities