

**Bioengineering Summer Camp  
Preliminary Schedule of Topics  
August 6 – 10, 2007**

Monday, August 6

Introduction  
Form and function  
What is engineering?  
What is bioengineering?  
Cardiovascular system overview and activities

Tuesday, August 7

Cardiovascular system problems  
Possible fixes  
Activities  
Problems with fixes, fixes for the fixes  
Activities  
Lab tours

**Wednesday, August 8**

Technologies for monitoring and diagnosing problems  
Microfluidics  
Imaging  
Telemedicine  
Activities

**Thursday, August 9**

More imaging technologies  
Ultrasound  
HIFU (High intensity focused ultrasound)  
Activities  
Applying our learning: a cardiovascular challenge

**Friday, August 10**

Presentation preparation  
Presentation practice  
Final presentations: parents invited!!  
Reception for summer camp participants, their families, and camp staff