

**IB Physics SL Lesson Plans**  
**Week of Jan. 3, 2011**

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Friday</b>
<b>Activities</b>	<b>Activities</b>	<b>Activities</b>	<b>Activities</b>
<ul style="list-style-type: none"> <li>- Go over final</li> <li>- Quick review of SHM, waves, diffraction, interference, reflection, refraction, Doppler effect, standing waves, and resonance</li> </ul>	<ul style="list-style-type: none"> <li>- Diffraction again (different objects, derive single slit formula, use it)</li> <li>- Rayleigh criterion and practical examples</li> </ul>	<ul style="list-style-type: none"> <li>- MACH 1 lab (<b>due Friday</b>)</li> </ul>	<ul style="list-style-type: none"> <li>- Time for group 4 project</li> </ul>
<b>Homework</b>	<b>Homework</b>	<b>Homework</b>	<b>Homework</b>
Read 4.7 – 4.9	# 4-7a Ch. 4.7: 1 – 3a, 4	MACH 1 lab ( <b>due Friday</b> )	# 4-8a Ch. 4.8: 1 – 5
<b>Announcements</b>			
Bring warm clothes for sledding lab next week			

**Week of Jan. 11, 2011**

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Friday</b>
<b>Activities</b>	<b>Activities</b>	<b>Activities</b>	<b>Activities</b>
<ul style="list-style-type: none"> <li>- Polarization and reflection</li> <li>- Malus's law, polarizers, analyzers</li> </ul>	<ul style="list-style-type: none"> <li>- Sledding lab gathering data and testing next Tuesday</li> </ul>	<ul style="list-style-type: none"> <li>- Practical application of polarization</li> <li>- The human eye structure, depth of vision, accommodation, scotopic &amp; photopic vision</li> </ul>	<ul style="list-style-type: none"> <li>- Time for group 4 project</li> </ul>
<b>Homework</b>	<b>Homework</b>	<b>Homework</b>	<b>Homework</b>
# 4-9a Ch. 4.9: 1 – 6	# 4-9b Ch. 4.9: 8 – 13 Sledding lab tests next Tuesday	# 4-9c Ch. 4.9: 14 – 18, 21, 22	# Option A1 Option A: 1 – 8
<b>Announcements</b>			
Option A quiz next Wed.			