

**BRONX COMMUNITY COLLEGE LIBRARY  
SUGGESTED FOR**

**PHY 40  
PHYSICS OF LIGHT AND SOUND**

<b><u>CODE NO.</u></b>	<b><u>TITLE</u></b>
	<b><u>VIBRATIONS AND WAVES</u></b>
DVD724.4	<b>HARMONIC MOTION</b> ( <i>Mechanical Universe</i> ) (Unit 16) – c1985
DVD724.5	<b>RESONANCE</b> ( <i>Mechanical Universe</i> ) (Unit 17) – c1985
DVD724.5	<b>WAVES</b> ( <i>Mechanical Universe</i> ) (Unit 18) – c1985
V2584.25	<b>VIBRATIONS AND SOUND I</b> ( <i>Longitudinal &amp; transverse waves</i> ) ( <i>Conceptual Physics Alive</i> ) – 40min, c1991
	<b><u>SOUND</u></b>
V2584.26	<b>VIBRATIONS AND SOUND II</b> ( <i>Reflection, refraction &amp; speed of sound Waves</i> ) ( <i>Conceptual Physics Alive</i> ) – 40min, c1991
DVD724.5	<b>RESONANCE</b> ( <i>Mechanical Universe</i> ) (Unit 17) – c1985
	<b><u>MUSICAL SOUNDS</u></b>
V3200	<b>WHAT IS MUSIC?</b> ( <i>sound waves</i> ) – 57min, c1990
	<b><u>PROPERTIES OF LIGHT</u></b>
V2150.3	<b>THE ELECTROMAGNETIC MODEL</b> ( <i>electromagnetic waves</i> ) ( <i>Wave-Particle Duality</i> ) – 10min, c1992
V2584.27	<b>LIGHT AND COLOR</b> ( <i>Electromagnetic nature of light</i> ) ( <i>Conceptual Physics Alive</i> ) – 40min, c1991
V3204	<b>ENERGY &amp; WAVES: THE BEHAVIOR OF LIGHT</b> – 21min, c1993
	<b><u>COLOR</u></b>
V2584.27	<b>LIGHT AND COLOR</b> ( <i>colors of light; sky, sunset and ocean</i> ) – 40min, c1991
V3208	<b>EXPLORING LIGHT AND COLOR</b> – 30min, c1993
	<b><u>REFLECTION AND REFRACTION</u></b>
V2150.1	<b>THE PARTICLE MODEL</b> ( <i>geometric reflection, refraction and dispersion</i> ) ( <i>Wave-Particle Duality</i> ) – 10min, c1992
V2584.28	<b>REFLECTION &amp; REFRACTION</b> ( <i>Conceptual Physics Alive</i> ) – 40min, c1991
	<b><u>LIGHT WAVES</u></b>
V2150.2	<b>THE WAVE MODEL</b> ( <i>Huygen's principle, interference &amp; speed of light</i> ) ( <i>Wave-Particle Duality</i> ) – 10min, c1992
V2584.29	<b>LIGHT WAVES</b> ( <i>Conceptual Physics Alive</i> ) – 40min, c1991

**LIGHT EMISSION**

**LIGHT QUANTA** – *10min, c1992*

**V2150.4**

**THE QUANTUM IDEA** (*photoelectric effect*) (**Wave-Particle Duality**)

**V2150.5**

**PHOTONS** (*particle & wave models in relation to light*) (**Wave-Particle Duality**)

**V2150.6**

**MATTER WAVES** (*particles behave like waves*) (**Wave-Particle Duality**)