

## **Why study Music?**

### **Music is Science.**

It is exact, specific; and it demands exact acoustics. A conductor's full score is a graph which indicates frequencies, intensities, volume changes, melody and harmony all at once and with the most exact control of time. It embodies many levels of physics from acoustics to architecture.

### **Music is Mathematical.**

It is rhythmically based on the subdivisions of time into fractions which must be done instantaneously, not worked out on paper, in a highly specific form with regard to exact placement and symmetry.

### **Music is a World Language.**

Most of the terms are in Italian, German or French; and the notation is certainly not English. It is a highly developed kind of shorthand that uses symbols to represent ideas. The semantics of music is the most complete and universal language.

### **Music is History.**

Music usually reflects the environment and times of its creation, taking on the emotion of a nation, region or a people. It is the only Art form we can hear as people hundreds of years ago had. Unlike paint, whose image is always there once created, Music is perpetually "Repainted" each time it is performed. The feelings and thoughts of countless generations are forever cast in Sound.

### **Music is Physical Education.**

It requires fantastic coordination of the fingers, hands, arms, lips and facial muscles, and control of diaphragmatic, back, stomach and chest muscles, which respond instantly to the sound the ear hears and the mind interprets. There are as many calories burned by a symphony trumpet player in one performance as there are by a quarter-back in a professional football game.

### **Music is Art.**

It allows a human being to take technical and sometimes difficult areas of learning and translate them into human emotion. It helps every person to recognize and understand beauty, and to understand love, compassion and how to live more fully within this world.