

## Prof Lydia Ayers



At the heart of Prof Ayers innovation is the problem of how to teach music to large classes when the traditional master-apprentice approach is unfeasible. Her innovative solution is to use various forms of rich multimedia that cater to multiple learning styles, reduce psychological barriers to a potentially unfamiliar subject and increase student interest and motivation in

the subject. Having a teaching foot in both Humanities and Computer Science, Prof Ayers integrated set of innovations merges science and art.

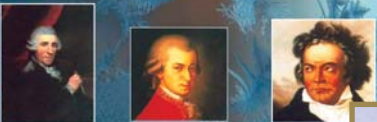
To bring the music alive to students in her lectures she uses a number of active learning techniques including:

- Animations;
- Synthesized sound examples;
- Live demos;
- Listening guides; and
- Annotated videos including field recordings

Through bringing the cultures of world music into the Hong Kong classroom, Prof Ayers expands students' horizons towards global citizenship.

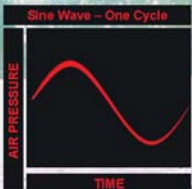
### The Classical Style

- **Major composers:**
  - Joseph Haydn [Austria] (1732-1809)
  - Wolfgang Amadeus Mozart [Austria] (1756-1791)
  - Ludwig van Beethoven [Germany] (1770-1827)



### The Properties of Sound

- **Cycle**
  - the distance from one point of maximum or minimum compression to the next
- **Sine Waves**
  - simplest sound waves



### Harmonic Series

- when sounded at the same time, partials are part of a complex sound, such as a [21] bassoon tone

