

## Acoustics 1 SE

### Sound generation

- AKS 1.1 Sound generation with the ruler
- AKS 1.2 Sound generation with the drum
- AKS 1.3 Vibrations at the tuning fork
- AKS 1.4 Sound generation and amplification

### Analysis of sound

- AKS 2.1 Sound - harmonic oscillation
- AKS 2.3 Tones are vibrations
- AKS 2.4 Tone, sound, noise, bang
- AKS 2.5 Pitch and loudness
- AKS 2.6a Sound level and volume
- AKS 2.6b Sound level - recording
- AKS 2.6c Sound level of several sound sources
- AKS 2.7 Frequency determination
- AKS 2.8 Audible range

### Sound propagation

- AKS 3.1 Propagation of sound waves - Slinky
- AKS 3.2 Sound propagation in air
- AKS 3.3 Sound propagation in solids
- AKS 3.4a Sound propagation in liquids - 1
- AKS 3.5 Sound insulation - Sound attenuation

### Sound and our body

- AKS 4.1a Sound and body - directional hearing - 1
- AKS 4.2 Sound and body - bone conduction

### Resonance and Reflection

- AKS 6.1 Reflection of sound, echo

### Wave phenomena

- AKS 7.1 Interference at a tuning fork

## Acoustics 2 SE

### Sound propagation

- AKS 3.4b Sound propagation in liquids - 2
- AKS 3.6 Sound insulation - for our hearing

### Sound and our body

- AKS 4.1b Sound and body - directional hearing - 2

### Standing waves

- AKS 5.1 Standing waves
- AKS 5.2 Standing waves - speed of sound

### Resonance and Reflection

- AKS 6.2 Resonance at two tuning forks

### Wave phenomena

- AKS 7.2a Interference - beat (2 tuning forks)
- AKS 7.2b Interference - beat (1 tuning fork, 1 loudspeaker)
- AKS 7.3 Doppler Effect - Acoustics