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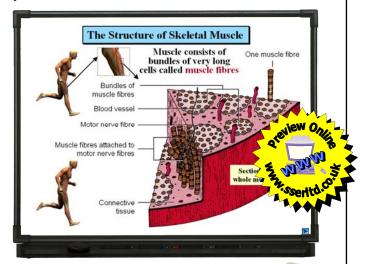


P.E. PRESENTATIONS (ADVANCED)

- UTILIZES THE PROVEN BENEFITS OF THE STAGED DISPLAY OF INFORMATION
- VISUALLY ENHANCES ANY 16+ EXAM COURSE IN PHYSICAL EDUCATION
- SUITABLE FOR A SINGLE COMPUTER, NETWORK, DIGITAL PROJECTOR OR VLE
- FOCUSES ON THOSE 'DIFFICULT' TOPICS RELATED TO HUMAN PHYSIOLOGY!

Students' interest and learning is enhanced when you use our outstanding sets of PowerPoint presentations for P.E./Sports Studies A level or any other 16+ P.E. course. These two superb sets of presentations, enable you to use interactive whiteboards, standalone or networked PCs, to enhance teaching and learning in a variety of ways.

The presentations feature animation, voice narration videos and interactive elements which engage students in this demanding section of the core theory content. The presentations average 25 slides each and feature high quality diagrams throughout.

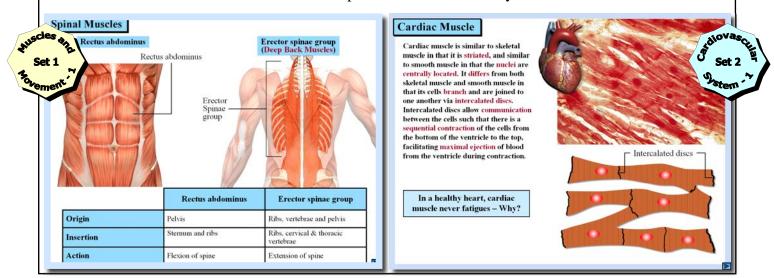


Note templates are also included and are ideal for teacher narration notes, lesson plans and student notes. Each note template contains screenshots of three adjacent slides and room for ample notes to be made - see page 3 for further details.



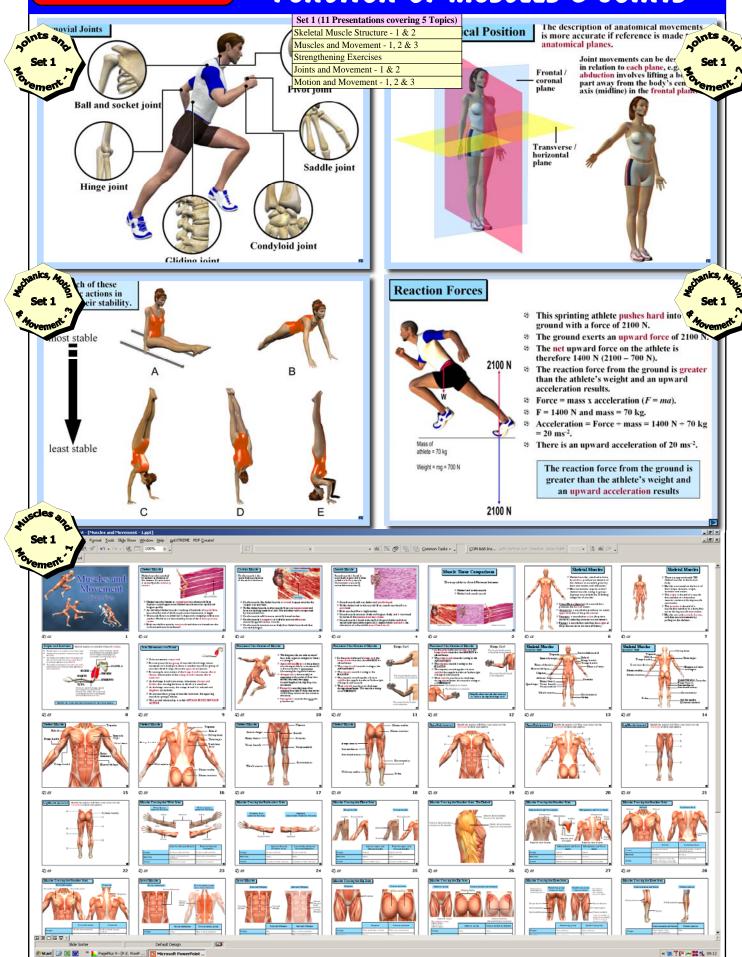
Set 1 (11 presentations) focuses on movement (featuring superb animations) and the structure and function of muscles and joints.

Set 2 (8 presentations) focuses on the respiratory and cardiovascular systems and will enable you to focus students attention and to deliver these topics with ease and clarity.



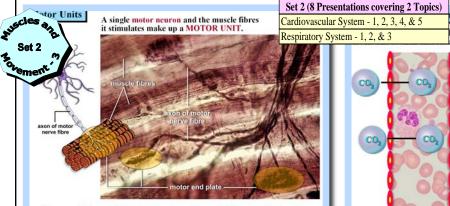
SET 111 PRESENTATIONS & NOTES

MOVEMENT PLUS THE STRUCTURE & FUNCTION OF MUSCLES & JOINTS



SET 2 8 PRESENTATIONS & NOTES

FOCUSING ON THE HEART & THE RESPIRATORY & CIRCULATORY SYSTEMS



The muscle fibres within a given motor unit are all of one type (fast or slow fibres). However, a whole muscle is a mixture of different fibre types.

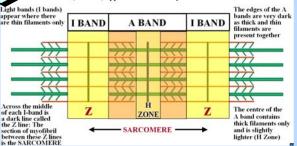
The Banding Pattern of Skeletal Muscle

a light microscope the striated nature of skeletal muscle can be observed.

This is seen as a regular alternation of light and dark bands.

This banding pattern is due to the arrangement of the thick and thin filaments within the myofibrils.

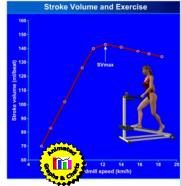
ands (A bands) appear where thick myosin filaments

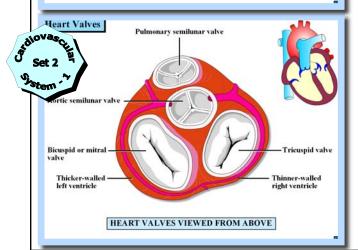


Stroke Volume Response To Exercise

olume (SV) initially s linearly as exercise ncreases. or relationship only to 40-60% of m exercise intensity. nd this point, SV values au and then fall as exercise plateau and then fall as exercise intensity (and hence heart rate) increase. Maximum stroke volumes are

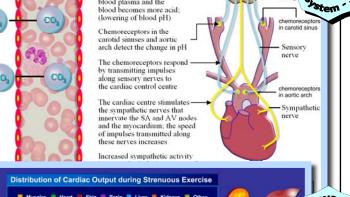
- reached during sub-maximal exercise (40-60%).
- Stroke volume increases from 70 ml per beat at rest to maximal values of around 120-140 ml per beat during exercise.
- The reserve end systolic volume (ESV) is utilised during exercise to allow stroke volume and cardiac output to increase

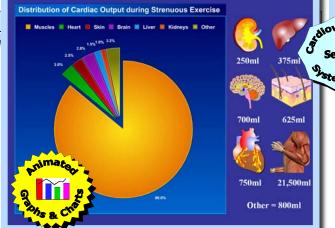




bon Dioxide (CO₂) od carbon dioxide respiratory activity.

CO₂ dissolves in the blood plasma and the blood becomes more aci (lowering of blood pH)





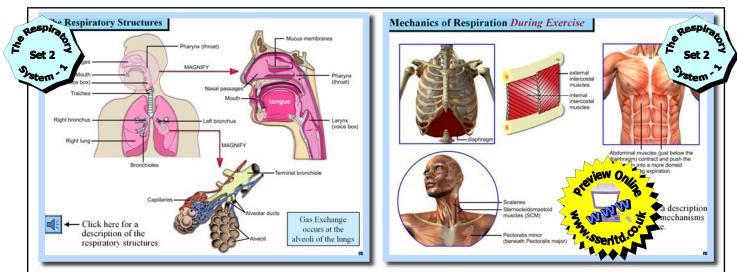
The Respiratory System - Part 2 - Notes

Slide 6

Note templates are provided for every slide - 3 slides per page. These are perfect for a teacher's narration notes and lesson plans or for student notes. The notes are easily printed in full colour or b/w.

Slide 7

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The Single User licence is provided with the Presentations CD ROM and allows you to place the presentations on one teacher's home PC and also on one PC at school - this allows you to use a digital projector to project the presentations to any class(es), in any room, as long as the presentations are only loaded onto the one PC. The site licence extends the single user licence to an unlimited number of standalone or networked PCs on a single school site. The VLE licence is additional to a site licence and extends the permitted use to allow students and staff to access the resource externally through Single the school's Virtual Learning Environment (password protected access only). To obtain an Site blaineb evaluation CD or for details of our low cost VLE licence please phone 01509 816704.

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