
	Topic Overview Faculty/Subject: V-CERT PE Year Group: 10/11 Topic :Respiratory System	
<p>What BIG IDEAS will you cover in this topic?</p> <p>★ In this unit you will develop an understanding of the Respiratory System that builds on the knowledge developed in year 7,8 & 9. You will learn to answer questions related to the final test and link them to other systems in the body.</p> <p>What other key concepts, knowledge and skills will you learn in this topic?</p> <p>★ Students will learn how to identify the different parts of the respiratory system and the different processes involved such as breathing and gaseous exchange</p> <p>★ They will be able to make links with the respiratory system and how it is involved when taking part in health and fitness activities.</p>		

What important prior knowledge will you use from your prior learning?

- ★ Making links with both previous topics (skeletal and muscular) as well as any current knowledge of theory covered in KS3.

Where does this topic fit into the curriculum plan for this subject?

- ★ Builds on the foundations of the first two topics. Will allow better understanding of how the lungs contribute to participation in fitness activities. Will be included in the exam.

What is the key vocabulary that you will need to know in this topic?

- ★ Structure of the respiratory system; pharynx, larynx, trachea, lungs, bronchi, bronchioles, alveoli
- ★ Breathing; Diaphragm, Intercostal muscles and Ribs
- ★ Diffusion
- ★ Gaseous exchange
- ★ Respiratory measurements; breathing rate, tidal volume, residual volume, inspiratory reserve volume, expiratory reserve volume, vital capacity.

Useful images for topic:

Assessment:

How and when will you be assessed on this topic? ★

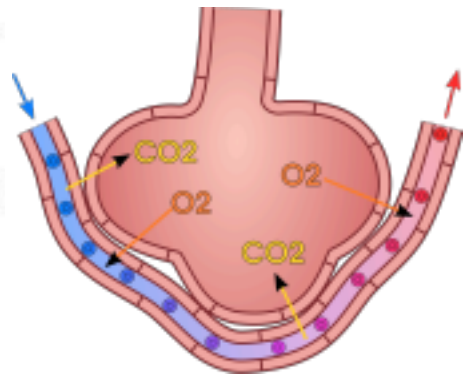
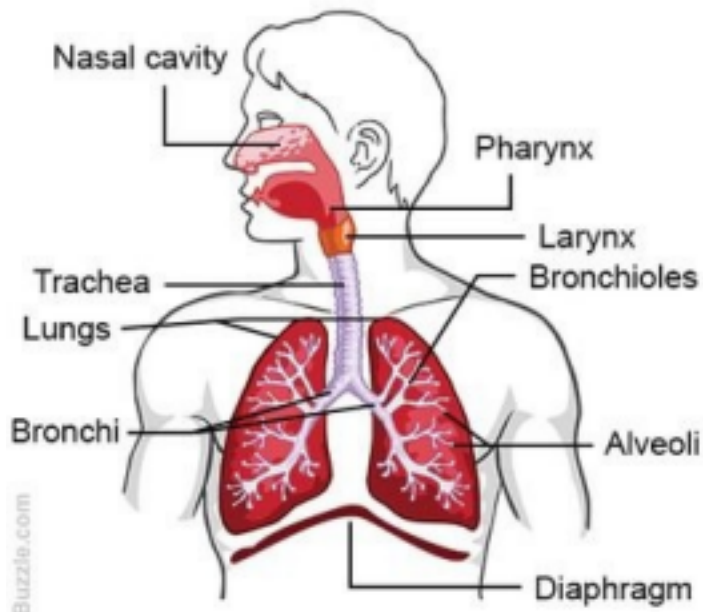
You will be assessed through home learning tasks each week, during silent starters and during regular questioning within lessons.

What will the success criteria be?

- ★ To be secure in this topic you need to have a good knowledge and understanding of the subjects covered and be able to apply them to health and fitness activities; the main ones being the process of breathing and gaseous exchange.

What is the structure of learning/lessons in this topic?

- ★ Structure of the respiratory system
- ★ Functions of the RS - Breathing process
- ★ Diffusion and Gaseous Exchange
- ★ Respiratory Measurements



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