

掏心掏肺「義」起來

「DAYI」Body Shop

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一、旨趣 Purpose：透過有趣的人體器官桌遊與問題解決，認識器官的中英文名稱、位置與功能。同時了解器官在人體上下、左右、前後的順序。

Through the board games about human body and problem solving, you can learn the organs in Chinese and English, their positions and functions. At the same time, you also understand the order of organs in the human body : up and down 、left and right and front and back.



二、活動規劃 Activity：

基礎學生級 Basic student level

請抽出兩張牌，說出器官中英文名稱，找出器官並放入正確位置，完成任務就過關。Please draw two cards, say the name of the organs in Chinese and English, find the organs and put them in the correct place. Finish the task and pass the level.

生物老師級 Biology teacher level

請抽一張題目卡，回答卡片上的問題，完成任務就過關。Please draw a question card, answer the question on the card, and finish the task to pass the level.

專業醫生級 Professional doctor level

請將器官放入正確位置，計時多久能夠完成。完成後回答兩個器官的中英文即過關。參與學生會留下校名、姓名與完成時間進行排行，前三名有獎品頒發。

Please put the organs in the correct place and we will time you. After you finished, say the two organs name in Chinese and English. Finish the task and pass the level. Write your school name, your name and time to rank, and the top three will be awarded prizes.


宇宙魔王級 Cosmic Demon King level

通過上述的任何一關，你可以挑戰此關。抽出卡牌，放入器官，在限時時間內完成。完成後回答兩個器官的中英文即過關。After passing any of the above levels, you can challenge this level。Draw the cards, put the organs in the body and finish it in time limit. After finished, say the two organs in Chinese and English. Finish the task and pass the level.



三、活動內容 Content :

基礎學生級 Basic student level

 <p>[Rib] It has functions of protecting internal organs and helping to breathe.</p>	<p>01. 肋骨[Rib] It protects internal organs and helps to breathe. 具有保護內臟、幫助呼吸的作用。</p>	 <p>[Lung] It is the organ which provides oxygen for the blood and emits carbon dioxide (breathing).</p>	<p>02. 肺臟[Lung] It provides oxygen (O₂) and emits carbon dioxide (CO₂). 提供氧氣並排出二氧化碳。</p>
 <p>[Liver] It is one of the most important organs in the human body. It has the functions of secreting bile, helping promote digestion, etc.</p>	<p>03. 肝臟[Liver] It secretes bile, stores blood sugar and promotes digestion. 具有分泌膽汁、儲存血糖、幫助消化等作用。</p>	 <p>[Stomach] It is the visceral organ which stores the food, digests the food through the gastric acid and then sends it to the duodenum.</p>	<p>04. 胃[Stomach] It stores and digests the food. 儲存、消化食物。</p>
 <p>[Large intestine] It is the visceral organ which has the functions of further absorbing nutrients from the food absorbed by the small intestine and storing and voiding excrements.</p>	<p>05. 大腸[Large intestine] It absorbs water. 具有吸收水分的功能。</p>	 <p>[Small intestine] It is the visceral organ which further digests and decomposes the food sent by the stomach, absorbs nutritional ingredients and moisture from the food and then sends the food to the large intestine.</p>	<p>06. 小腸[Small intestine] It digests the food, absorbs nutrition and water. 消化食物，吸收養分和水分。</p>
 <p>[Heart] It is the important visceral organ which pumps the blood to the blood vessels in the human body.</p>	<p>07. 心臟[Heart] It pumps the blood to all body. 負責將血液送至全身。</p>	 <p>[Kidney] It is the visceral organ which filters toxins from the blood and produces urine.</p>	<p>08. 腎臟[Kidney] It filters toxins and produces urine. 負責過濾毒素並產生尿液。</p>

生物老師級 Biology teacher level

01.說出心臟的英文。人類心臟有多大?用手比出來;位置在哪裡?用手指出來。功用是什麼? Say the English name. How big is the human heart? Show the size by using your hands; Where is it in the body? Show where is it with your hands. What is the function?

02.說出小腸的英文。人類小腸有多長?位置在哪裡?用手指出來。功用是什麼? Say the English name. How long is the human small intestine? Where is it in the body? Show where is it with your hands. What is the function?

03.「麻油腰花」的「腰花」是什麼器官?說出中英文。位置在哪裡?用手指出來。功用是什麼? Say the Chinese and English name. Where is it in the body? Show where is it with your hands. What is the function?

04.人體的血糖庫在哪裡?說出中英文。位置在哪裡?用手指出來。功用是什麼? Which organ stores blood sugar? Say the Chinese and English name. Where is it in the body? Show where is it with your hands. What is the function?

05.我要跟老師請假,因為我胃痛。說出胃的英文。位置在哪裡?用手指出來。功用是什麼? I have to ask my teacher for leave because my stomach hurts 胃痛. Say the English name. Where is the stomach? Show where is it with your hands. What is the function?

06.我要跟老師請假,因為我腸不舒服。說出腸的英文,位置在哪裡?用手指出來。功用是什麼? I have to ask my teacher for leave because I have intestinal pain 腸不舒服. Say the English name. Where is the intestine? Show where is it with your hands. What is the function?

四、參考資料 References :

科教館第 56 卷第 3 期《科學研習》月刊。食畫食說玩桌遊—消化系統的有效教學。

