

SNIFFING OUT MORE THAN JUST BONES

靈鼻出擊：不只愛啃骨頭的搜救犬

B1 • L4 Reading Worksheet | 課文閱讀與素養導向學習單

班級 _____ 座號 _____ 姓名 _____



READING PASSAGE *Sniffing Out More Than Just Bones*

課文精讀與重點標註

- 1 Have you ever noticed that dogs can smell things we can't? This is because their sense of smell is much more sensitive than ours. For this reason, some dogs are trained to be sniffer dogs. They use their keen noses to detect things like hidden drugs. But this is not the only job sniffer dogs can accomplish. They can also do many things to help humans out.
- 2 In Pingtung, officials in a park use dogs to find trees with brown root rot disease. Thanks to their strong sense of smell, the dogs can detect infected trees. When a dog locates one, it sits beside it and waits for a reward from its trainer. Then, workers dig up the trees before they fall and hurt people. Now, other parks in Taiwan also ask these dogs to find trees with the same disease.
- 3 Sniffer dogs can even find sickness in people. One night, Maria Tello, a woman with diabetes, was asleep. All of a sudden, her dog, Malachi, woke up. It could sense that Maria's blood sugar was very low. Malachi woke her up and ran to get her medicine. In this way, he saved her life — and did it four more times that year!
- 4 How can sniffer dogs manage to do these things? Diseases cause chemical changes in people, animals, and plants. These changes create special odors that dogs can smell. During training, trainers expose the dogs to these smells again and again. They are taught to perform a kind of behavior, like sitting or barking, to alert their trainers. When their training is complete, they are assigned to carry out specific duties.
- 5 Dogs are truly our best friends. If we keep learning more about them, they will help us even more. No one knows what else their sharp sense of smell will do for us in the future.

CLASS NOTES *Teacher's Notes • Grammar • Useful Expressions*

LESSON 4 • SNIFFING OUT MORE THAN JUST BONES

Structure Map • Reading Practice • Translation



MISSION 1 (Structure Map) _____ / 50 MISSION 2 (Reading Practice) _____ / 50 TOTAL SCORE _____ / 100

MISSION 1 • READING STRUCTURE MAP

每題 10 分，共 50 分

WORD BANK

sensitive

infected

reward

chemical

assigned

1 SUPER SNIFFERS

- Dogs have highly (1) _____ sense of smell.
- Trained to detect drugs & help humans out.

2 TREE DOCTORS

- Detect (2) _____ trees with root rot disease.
- Sit beside tree & wait for trainer's (3) _____.

3 MEDICAL ALERTS

- Malachi sensed low blood sugar in Maria.
- Woke her up & fetched life-saving medicine.

4 TRAINING & DUTIES

- Smell (4) _____ changes caused by disease.
- (5) _____ to specific duties after alert training.

MISSION 2 • READING PRACTICE

每題 10 分，共 50 分

() Q1 Vocabulary



Security guards at the airport use special machines to _____ forbidden items in luggage.

- (A) detect (C) envy
(B) decompose (D) refresh

() Q2 Vocabulary



The brave police officer was _____ to lead the dangerous rescue mission in the mountains.

- (A) ignored (C) assigned
(B) drifted (D) ruined

() Q3 Big Idea



What is the main topic of this passage?

- (A) How sniffer dogs use their keen sense of smell to aid human society. (C) The medical treatment for diabetic patients in Pingtung.
(B) Why dogs prefer playing in parks rather than staying at home. (D) How chemical fertilizers cause root diseases in urban trees.

() Q4 Detail



What does a sniffer dog in Pingtung do after identifying a sick tree?

- (A) It bites the roots to cure the disease. (C) It sits beside the tree and waits for a reward.
(B) It barks loudly and runs back to the station. (D) It climbs the tree to scare away birds.

() Q5 Inference



How are sniffer dogs able to detect diseases in plants and humans?

- (A) They have sharper eyesight than professional doctors. (C) They perceive unique odors caused by chemical changes.
(B) They can hear heartbeats from hundreds of miles away. (D) They taste the bark and leaves of trees.

文 TRANSLATION 課文完整中文翻譯參考，自我核對用



1 狗的嗅覺比人類敏銳得多，因此被訓練為偵測犬。牠們不僅能查緝藏匿毒品，還能为人類提供多元協助。

2 屏東公園利用偵測犬找出罹患褐根病的樹木。當狗找到病樹便坐下等待獎勵，讓工人在樹木倒塌前及時挖除。

3 偵測犬甚至能發現人體疾病。瑪麗亞的狗馬拉基察覺其血糖過低，將她叫醒並拿藥，救了她一命！

4 疾病引起化學變化並產生特殊氣味。訓練師反覆讓狗接觸氣味並教導特定警示行為，完成後指派任務。

5 狗確實是人類最好朋友。持續深入了解牠們，敏銳嗅覺未來必能為人類帶來更多貢獻。