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#### Level 3

# Japanese robot-wolf to protect farms

9th March, 2018

https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

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### Please try Levels 0, 1 and 2 (they are easier).

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#### THE ARTICLE

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

Technology has come to the rescue of Japanese farmers. For thousands of years they have tried to keep animals away from their farms. However, engineers have invented the "Super Monster Wolf" to finally scare away wild animals that want to eat crops of rice, pumpkin or sweet potato. Super Monster Wolf is a solar-powered scarecrow robot that looks like a real wolf. It has lookalike wolf hair, big scary teeth and red LED eyes with infrared sensors. It also has 48 different wolf howls and other noises so animals never get used to it. Super Monster Wolf will be used to keep animals like wild boar and deer out of rice paddies, farms and fruit orchards. Farmers lose millions of dollars of crops every year to hungry animals.

Members of Japan's Agricultural Association (JA) took part in trials of the Super Monster Wolf in nine locations across Japan. JA spokesman Chikao Umezawa reported that the robot wolf significantly reduced crop losses. He said it was more effective than an electric fence at keeping animals out. The robot can sense movement up to one kilometre away and immediately make its scary sounds. The robot will start being mass produced from next month. It will be 65cm long and 50cm high. The price is \$4,800 but farmers will have the option of renting the wolf by the month. Japan's farmers are hoping that this new electronic aid will finally stop wild animals eating their crops.

Sources: https://www.treehugger.com/animals/super-monster-wolf-crop-saving-demon-robot.html

http://www.bbc.com/news/blogs-news-from-elsewhere-43303781

https://www.chibanippo.co.jp/news/national/480074

#### **WARM-UPS**

- **1. RICE PADDIES:** Students walk around the class and talk to other students about rice paddies. Change partners often and share your findings.
- **2. CHAT:** In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

technology / rescue / farms / wild animals / solar-powered / scarecrow / rice paddy / trials / losses / electric fence / movement / farmers / option / wolf / electronic / aid

Have a chat about the topics you liked. Change topics and partners frequently.

- **3. ROBOTS:** Students A **strongly** believe robots will improve life for all humans; Students B **strongly** believe the opposite. Change partners again and talk about your conversations.
- **4. ANIMAL ROBOTS:** How could animal robots help these people? In what situations? Complete this table with your partner(s). Change partners often and share what you wrote.

	What kind of robot?	How could it help?	In what situations?
Soldiers			
Old people			
Homeowners			
Students			
Athletes			
You			

- **5. WOLF:** Spend one minute writing down all of the different words you associate with the word "wolf". Share your words with your partner(s) and talk about them. Together, put the words into different categories.
- **6. CROPS:** Rank these with your partner. Put the most important crops at the top. Change partners often and share your rankings.

rice

garlic

• potato

tomato

onion

banana

wheat

corn

#### **VOCABULARY MATCHING**

#### Paragraph 1

- 1. rescue a. Create or designed something that has not existed before.
- 2. invented b. A food that is grown on farms, especially a vegetable (e.g. corn, potato...) or a grain (rice, wheat...).
- 3. scare c. Save someone from a dangerous or damaging situation.
- 4. crops d. Something farmers make to look like a human, set up to scare birds away from a field where crops are growing.
- 5. solar e. Coming from the sun.
- 6. scarecrow f. A field where rice is grown.
- 7. paddies
  9. Cause great fear or nervousness in;
  frighten.

#### Paragraph 2

- 8. trials h. A thing that people use to help them.
- 9. locations i. Become aware of something or of something about to happen.
- $^{10.}$  significantly  $^{j.}$  At once; instantly.
- 11. sense k. A test of how well or badly something works (or doesn't work).
- 12. immediately l. A place or position.
- 13. option m. A thing that is or may be chosen.
- <sup>14.</sup> aid <sup>n.</sup> Greatly; importantly.

### **BEFORE READING / LISTENING**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

#### 1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. The article says Japanese farmers loved animals for thousands of years. T / F
- b. A super monster-wolf wants to eat pumpkins and sweet potatoes. **T / F**
- c. A new robot wolf has scary green eyes. T/F
- d. The robot wolf will help scare away deer and wild boar from rice paddies. T / F
- e. Japan's architectural association (JA) took part in trials of the wolf. **T / F**
- f. An agriculture spokesman said the wolf was better than electric fences. T / F
- g. The robot wolf will go into production next month. T/F
- h. Japanese farmers will be able to rent the robot wolf on a monthly basis. T / F

#### **2. SYNONYM MATCH:** (The words in **bold** are from the news article.)

- 1. rescue
- 2. tried
- 3. scare
- 4. howls
- 5. paddies
- 6. agricultural
- 7. trials
- 8. effective
- 9. option
- 10. aid

- a. farming
- b. fields
- c. attempted
- d. successful
- e. help
- f. frighten
- g. choice
- h. saving
- i. tests
- j. cries

#### **3. PHRASE MATCH:** (Sometimes more than one choice is possible.)

- 1. Technology has come to the rescue
- 2. scare
- 3. eyes with
- 4. rice
- 5. Farmers lose millions
- 6. Members of Japan's agricultural
- 7. in nine locations
- 8. the robot wolf significantly
- 9. more effective than an electric
- 10. farmers will have the option of

- a. infrared sensors
- b. of dollars of crops
- c. fence
- d. association
- e. away wild animals
- f. reduced crop losses
- g. renting the wolf
- h. of Japanese farmers
- i. across Japan
- j. paddies

### **GAP FILL**

Technology has come to the (1) of Japanese	real
farmers. For thousands of years they have tried to keep animals	howls
away from their (2) However, engineers have	rescue
invented the "Super Monster Wolf" to finally (3)	
away wild animals that want to eat crops of rice, pumpkin or	crops
sweet potato. Super Monster Wolf is a solar-powered scarecrow	scare
robot that looks like a (4) wolf. It has lookalike wolf	paddies
hair, big scary teeth and red LED eyes with infrared	farms
(5) It also has 48 different wolf (6)	sensors
and other noises so animals never get used to it. Super Monster	
Wolf will be used to keep animals like wild boar and deer out of	
rice (7), farms and fruit orchards. Farmers lose	
millions of dollars of (8) every year to hungry	
animals.	
Members of Japan's Agricultural Association (JA) took part in	losses
(9) of the Super Monster Wolf in nine	price
(10) across Japan. JA spokesman Chikao Umezawa	trials
reported that the robot wolf significantly reduced crop	wild
(11) He said it was more effective than an electric	
fence at keeping animals out. The robot can (12)	sounds
movement up to one kilometre away and immediately make its	locations
scary (13) The robot will start being mass	option
produced from next month. It will be 65cm long and 50cm high.	sense
The (14) is \$4,800 but farmers will have the	3030
(15) of renting the wolf by the month. Japan's	
farmers are hoping that this new electronic aid will finally stop	
(16) animals eating their crops.	

# **LISTENING** – Guess the answers. Listen to check.

From <a href="https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html">https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html</a>

1)	Technology has come to the Japanese farmers  a. rescuer of  b. rescues of
2)	<ul><li>c. rescued of</li><li>d. rescue of</li><li>Super Monster Wolf is a solar-powered scarecrow robot that looks wolf</li></ul>
	<ul><li>a. like a really</li><li>b. like a real</li><li>c. like a reel</li><li>d. like a royal</li></ul>
3)	It also has 48 different wolf howls and other noises so animals never  a. get use to it b. get used too it c. get used to it d. gets used to it
4)	Super Monster Wolf will be used to keep animals like wild boar and deer out a. of rice paddles b. off lice paddles c. of rice paddles d. of lice paddles
5)	Farmers lose millions of dollars of crops every year  a. to hungry animals  b. to hungrily animals  c. to angry animals  d. to angrily animals
6)	Members of Japan's Agricultural Association (JA) took a. party in trials b. partying trials c. part entrails d. part in trials
7)	JA spokesman Chikao Umezawa reported that the robot wolf significantly a. reduced crop loss is b. reduced crops losses c. reduced crop losses d. reduced crops loss is
8)	He said it was more effective than an electric animals out a. defence at keeping b. fence at keeping c. offence at keeping d. fenced at keeping
9)	The price is \$4,800 but farmers will have the option wolf a. of rending the b. of lending the c. of rent thing the d. of renting the
10)	) this new electronic aid will finally stop wild animals
	a. eaten their crops
	<ul><li>b. eating them crops</li><li>c. eating their crops</li></ul>
	d. eat-in their crops

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# **LISTENING** – Listen and fill in the gaps

From <a href="https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html">https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html</a>

Technology has come (1)	of Japanese farmers. For
thousands of years they have tried t	o (2) from their
farms. However, engineers have inve	ented the "Super Monster Wolf" to finally
(3) animals	that want to eat crops of rice, pumpkin
or sweet potato. Super Monster Wolf	is a solar-powered scarecrow robot that
looks like a real wolf. It has (4)	, big scary teeth and
red LED eyes with infrared sensors.	It also has 48 different wolf howls and
other noises (5)	get used to it. Super Monster Wolf
will be used to keep animals like w	vild boar and deer out of rice paddies,
farms and fruit orchards. Farmers	(6) dollars of
crops every year to hungry animals.	
Members of Japan's Agric	cultural Association (JA) took
(7) of	the Super Monster Wolf in
(8) Japan. JA	A spokesman Chikao Umezawa reported
that the robot wolf significantly red	uced crop losses. He said it was more
effective than (9)	at keeping animals out. The robot
can sense movement up to one kilo	metre away and immediately make its
scary sounds. The robot will (10)	produced from next
month. It will be 65cm long and 50c	m high. The price is \$4,800 but farmers
will have (11)	$_{\scriptscriptstyle \perp}$ renting the wolf by the month. Japan's
farmers are hoping that this new ele	ectronic aid (12)
wild animals eating their crops.	

# **COMPREHENSION QUESTIONS**

2.	Where does the Super Monster Wolf get its energy from?
3.	What colour eyes does the Super Monster Wolf have?
4.	How many different sounds can the Super Monster Wolf make?
5.	How much money do Japan's farmers lose because of hungry animals?
6.	How many different places was the Super Monster Wolf tested in?
7.	What was the Super Monster Wolf more effective than?
8.	When will the Super Monster Wolf go into production?
9.	How tall is the Super Monster Wolf?
10.	How regularly could Japanese farmers rent the Super Monster Wolf?

1. What does the article say has come to the rescue for Japan's farmers?

## **MULTIPLE CHOICE - QUIZ**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

- 1) What does the article say has come to the rescue for Japan's farmers?
- a) the weather
- b) technology
- c) wild wolves
- d) an insect
- 2) Where does the Super Monster Wolf get its energy from?
- a) its bones
- b) protein
- c) nuclear power
- d) the sun
- 3) What colour eyes does the Super Monster Wolf have?
- a) black
- b) green
- c) red
- d) silver
- 4) How many different sounds can the Super Monster Wolf make?
- a) 48
- b) 46
- c) 56
- d) 58
- 5) How much money do Japan's farmers lose because of hungry animals?
- a) millions of yen
- b) millions of dollars
- c) half
- d) \$785,690.99

- 6) How many different places was the Super Monster Wolf tested in?
- a) 9
- b) 8
- c) 7
- d) 6
- 7) What was the Super Monster Wolf more effective than?
- a) guns
- b) scarecrows
- c) electric fences
- d) a Super Monster Lion
- 8) When will the Super Monster Wolf go into production?
- a) next month
- b) next week
- c) tomorrow
- d) next year
- 9) How tall is the Super Monster Wolf?
- a) 25cm
- b) one meter
- c) 3 meters
- d) half a meter
- 10) How regularly could Japanese farmers rent the Super Monster Wolf?
- a) weekly
- b) annually
- c) monthly
- d) daily

#### **ROLE PLAY**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

#### Role A - Rice

You think rice is the most important crop. Tell the others three reasons why. Tell them what is wrong with their crops. Also, tell the others which is the least important of these (and why): wheat, banana or corn.

#### Role B - Wheat

You think wheat is the most important crop. Tell the others three reasons why. Tell them what is wrong with their crops. Also, tell the others which is the least important of these (and why): rice, banana or corn.

#### Role C - Banana

You think banana is the most important crop. Tell the others three reasons why. Tell them what is wrong with their crops. Also, tell the others which is the least important of these (and why): wheat, rice or corn.

#### Role D – Corn

You think corn is the most important crop. Tell the others three reasons why. Tell them what is wrong with their crops. Also, tell the others which is the least important of these (and why): wheat, banana or rice.

### AFTER READING / LISTENING

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

**1. WORD SEARCH:** Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'monster' and 'wolf'.

monster	wolf

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.
- **2. ARTICLE QUESTIONS:** Look back at the article and write down some questions you would like to ask the class about the text.
  - Share your questions with other classmates / groups.
  - Ask your partner / group your questions.
- **3. GAP FILL:** In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?
- **4. VOCABULARY:** Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.
- **5. TEST EACH OTHER:** Look at the words below. With your partner, try to recall how they were used in the text:

• come	• trials
<ul> <li>invented</li> </ul>	<ul> <li>reduced</li> </ul>
• solar	<ul> <li>effective</li> </ul>
• teeth	• sense
• noises	<ul><li>option</li></ul>
• year	<ul><li>hoping</li></ul>

### **ANIMAL ROBOTS SURVEY**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

Write five GOOD questions about animal robots in the table. Do this in pairs. Each student must write the questions on his / her own paper.

When you have finished, interview other students. Write down their answers.

	STUDENT 1	STUDENT 2	STUDENT 3
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

### ANIMAL ROBOTS DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

- 1. What did you think when you read the headline?
- 2. What images are in your mind when you hear the word 'monster'?
- 3. What do you think of robots?
- 4. How can robot animals help us?
- 5. What problems do farmers have?
- 6. How can farmers scare away animals?
- 7. Do you think animals will be afraid of the Super Monster Wolf?
- 8. What do you think of the name 'Super Monster Wolf'?
- 9. What do you know about rice paddies?
- 10. Why do scarecrows rarely work?

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#### ANIMAL ROBOTS DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

- 11. Did you like reading this article? Why/not?
- 12. What do you think of when you hear the word 'wolf'?
- 13. What do you think about what you read?
- 14. What do you know about wolves?
- 15. Do you think the Super Monster Wolf will work?
- 16. What do you think of the price of the wolf?
- 17. Would you buy a robot dog to guard your house?
- 18. Should wild animals be allowed to eat crops on farms?
- 19. Would you like to be a farmer?
- 20. What questions would you like to ask the inventors?

# **DISCUSSION** (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1.	
2.	
3.	
١.	
5.	
5.	
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	SCUSSION (Write your own questions)
OIS	SCUSSION (Write your own questions) ENT B's QUESTIONS (Do not show these to student A)
OIS	SCUSSION (Write your own questions)
OIS STUD	SCUSSION (Write your own questions)
DIS STUD	SCUSSION (Write your own questions)
DIS STUD 1. 2.	SCUSSION (Write your own questions)
DIS	SCUSSION (Write your own questions)

## **LANGUAGE - CLOZE**

they	have	y has (1) tried (2)	_ keep	animals awa	y from	their farms.	Howe	ver, engineers
	nave invented the "Super Monster Wolf" to finally (3) away wild animals that							
	vant to eat crops of rice, pumpkin or sweet potato. Super Monster Wolf is a solar-							
pow	ered s	scarecrow robo	ot that	looks (4)	_ a rea	al wolf. It has	looka	ılike wolf hair,
_	•	teeth and red	-					
		(5) nois			_	· ·		
		o keep anima					•	•
		orchards. Farr	ners io	se millions o	r dollar	rs of crops ev	ery y	ear to nungry
amm	nals.							
Mem	bers	of Japan's Agr	icultura	l Association	(JA) (7	7) part i	n trial:	s of the Super
Mon	ster \	Wolf in nine	location	ns across Ja	ıpan. J	A spokesma	n Chik	kao Umezawa
repo	rted	that the robot	wolf (	(8) red	uced c	rop losses. H	le said	l it was more
effe	ctive	than an elect	ric fen	ce at (9)	ani	imals out. Th	ne rob	ot can sense
mov	emen	t up to one ki	lometre	e away and ii	mmedi	ately make it	s scar	y sounds. The
		start (10)		-				_
	_	n. The price is				-		_
		by the mont	-				this n	ew electronic
(12)		will finally sto	p wiiu a	dillillais Eatill	g their	crops.		
Put	the c	orrect words	from	the table be	low in	the above a	rticle	
1.	(a)	comes	(b)	came	(c)	come	(d)	coming
2.	(a)	to	(b)	at	(c)	by	(d)	for
3.	(a)	scare	(b)	scary	(c)	scared	(d)	scares
4.	(a)	like	(b)	liked	(c)	likely	(d)	likes
5.	(a)	the others	(b)	other	(c)	others	(d)	another
6.	(a)	fruitless	(b)	fruits	(c)	fruity	(d)	fruit
7.	(a)	done	(b)	gave	(c)	took	(d)	been
8.	(a)	signify	(b)	significant	(c)	significance	(d)	significantly
9.	(a)	keeping	(b)	kept	(c)	keeps	(d)	keeper
10.	(a)	being	(b)	bean	(c)	been	(d)	be
11.	(a)	at	(b)	of	(c)	on	(d)	to
12.	(a)	helpful	(b)	band	(c)	aid	(d)	assist

### **SPELLING**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

### Paragraph 1

- 1. come to the rseecu
- 2. engineers have vdintnee the "Super Monster Wolf"
- 3. csrea away wild animals
- 4. LED eyes with infrared esrsnso
- 5. rice addeips, farms and fruit orchards
- 6. iionmlls of dollars

### Paragraph 2

- 7. took part in tlrais
- 8. nine antolsico across Japan
- 9. more ftveeifce than an electric fence
- 10. being mass <u>redodpuc</u>
- 11. have the opinot of renting
- 12. this new neecrioctl aid

### **PUT THE TEXT BACK TOGETHER**

From <a href="https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html">https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html</a>

#### Number these lines in the correct order.

(	1 )	Technology has come to the rescue of Japanese farmers. For thousands of years they have tried to keep animals away
(	)	to eat crops of rice, pumpkin or sweet potato. Super Monster Wolf is a solar-powered scarecrow robot that looks
(	)	used to it. Super Monster Wolf will be used to keep animals like wild boar and deer out of rice paddies, farms and fruit
(	)	but farmers will have the option of renting the wolf by the month. Japan's farmers are
(	)	orchards. Farmers lose millions of dollars of crops every year to hungry animals.
(	)	Members of Japan's Agricultural Association (JA) took part in trials of the Super Monster Wolf in nine
(	)	being mass produced from next month. It will be 65cm long and 50cm high. The price is \$4,800
(	)	like a real wolf. It has lookalike wolf hair, big scary teeth and red LED eyes with infrared
(	)	locations across Japan. JA spokesman Chikao Umezawa reported that the robot wolf significantly reduced crop
(	)	losses. He said it was more effective than an electric fence at keeping animals out. The robot can sense
(	)	movement up to one kilometre away and immediately make its scary sounds. The robot will start
(	)	hoping that this new electronic aid will finally stop wild animals eating their crops.
(	)	from their farms. However, engineers have invented the "Super Monster Wolf" to finally scare away wild animals that want
(	)	sensors. It also has 48 different wolf howls and other noises so animals never get

### PUT THE WORDS IN THE RIGHT ORDER

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

- 1. Japanese has of rescue come the to Technology farmers .
- 2. farms . from to away keep animals Tried their
- 3. animals away want eat to that crops . Scare
- 4. howls . wolf It 48 different has also
- 5. rice like deer animals paddies . out Keep of
- 6. robot wolf losses . The reduced significantly crop
- 7. fence . was It than electric an effective more
- 8. robot mass start The being will produced .
- 9. each month . The the wolf of renting option
- 10. their wild stop crops . Finally animals eating

## **CIRCLE THE CORRECT WORD (20 PAIRS)**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

Technology has come to the *rescuer / rescue* of Japanese farmers. For thousands of years they have tried *to / for* keep animals away from their farms. However, engineers have *invention / invented* the "Super Monster Wolf" to finally *scare / scary* away wild animals that want to eat crops of rice, pumpkin or *sweet / sweets* potato. Super Monster Wolf is a solar-powered scarecrow robot that *look / looks* like a real wolf. It has lookalike wolf hair, big scary *teeth / tooth* and red LED eyes with infrared sensors. It also has 48 different wolf howls and *other / another* noises so animals never get used to it. Super Monster Wolf will be used to keep animals like wild boar and deer *out / in* of rice paddies, farms and fruit orchards. Farmers lose millions of dollars of crops every *yearly / year* to hungry animals.

Members of Japan's Agricultural Association (JA) *took / gave* part in trials of the Super Monster Wolf in nine locations *cross / across* Japan. JA spokesman Chikao Umezawa reported that the robot wolf *significance / significantly* reduced crop *losses / lost*. He said it was more effective than an electric fence at *keeps / keeping* animals out. The robot can sense movement up to one kilometre away and immediately *make / do* its scary sounds. The robot will start *been / being* mass produced from next month. It will be 65cm long and 50cm high. The price is \$4,800 but farmers will have the option of *renting / rent* the wolf by the month. Japan's farmers are hoping that this new electronic *aid / maid* will finally stop wild animals eating *them / their* crops.

Talk about the connection between each pair of words in italics, and why the correct word is correct.

# **INSERT THE VOWELS (a, e, i, o, u)**

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

 $T_c h n_l g y h_s c_m t_t h_r s c__ f J_p_n_s_$ f\_rm\_rs. F\_r th\_\_ s\_nds \_f y\_\_ rs th\_y h\_v\_ t  $r\_\_ \ d \quad t\_ \ k\_\_ \ p \ \_n\_m\_l \ s \ \_w\_y \quad f \ r\_m \quad t \ h\_\_ \ r \quad f\_r \ m \ s \ .$  $H_w_v_r$ ,  $g_n_r$   $r_s$   $h_v_n$   $r_s$   $h_v_s$   $r_s$   $h_v_s$  $\_n\_m\_ls$   $th\_t$   $w\_n$  t  $t\_\_$  t c  $r\_p$  s  $\_f$   $r\_c\_$ ,  $p\_m$  pk\_n \_r sw\_\_ t p\_t\_t\_. S\_p\_r M\_n st\_r W\_lf \_s \_ s\_l\_r - p\_w\_r\_d sc\_r\_cr\_w r\_b\_t th\_t l\_\_ ks l\_k\_ \_  $r_{-}$  |  $w_{-}$  | f. It  $h_{-}$  s  $l_{-}$  k  $l_{-}$  k  $u_{-}$  | f  $h_{-}$  r,  $b_{-}$  g s c\_ry t\_\_ th \_nd r\_d LED \_y\_s w\_th \_nfr\_r\_d  $s_n s_r s$ . It  $_l s_b h_s$  48  $d_l f_r h_s$  4 l $s \ \_n \ d \ \_t \ h\_r \ n\_\_ \ s\_s \ s\_\_ n\_m\_l \ s \ n\_v\_r \ g\_t \ \_s\_d$  $t_{-}t$  .  $S_{p}r$   $M_{n}s$   $t_{r}$   $W_{l}f$   $w_{l}l$   $b_{-}s_{d}$   $t_{-}k_{-}$ p \_n\_m\_l s l\_k\_ w\_l d b\_\_ r \_n d d\_\_ r \_\_ t \_f r\_c\_ p\_d d\_\_ s, f\_rms \_nd fr\_\_ t \_rch\_rds. F\_rm\_r s l\_s\_ m\_l l\_\_ ns \_f d\_l l\_rs \_f cr\_ps \_v\_ry y\_\_ r t\_ h\_n g r y \_n\_m\_l s .

 $M_m b_r s_f J_p_n 's A g r_c_l t_r_l A s s_c__ t_n$ (JA)  $t_k p_r t_n t_r ls_f th_S_p_r M_n s$  $t_r \ W_l f_n \ n_n_ \ l_c_t_n s \ c_r_s s \ J_p_n$  . J A  $\ s$ p\_k\_s m\_n C h\_k\_\_ U m\_z\_w\_ r\_p\_r t\_d t h\_t t h\_ r\_b\_t w\_lf s\_g n\_f\_c\_n tly r\_d\_c\_d c r\_p l\_s s\_s.  $H_s_d = d_t w_s m_r_f_c t_v_t h_n n_l_c t_r_c$ f\_n c\_ \_t k\_\_ p\_n g \_n\_m\_l s \_\_ t. T h\_ r\_b\_t c\_n  $s\_n\ s\_\quad m\_v\_m\_n\ t\quad \_p\quad t\_\quad \_n\_\quad k\_l\_m\_t\ r\_\quad \_w\_y\quad \_n\ d\quad \_m$  $m_d_t t_l y m_k_t s s_r y s_n ds$ . Then  $r_b_t$ w\_ll st\_rt b\_\_ ng m\_ss pr\_d\_c\_d fr\_m m\_nth. It w\_ll b\_ 65cm l\_ng \_nd 50cm h\_g h . T h\_ p r\_c\_ \_s \$ 4 , 8 0 0 b\_t f\_r m\_r s w\_l l  $h_v_t t h_p t_n n_f r_n t_n g t h_w_l f b y t h_$ m\_nth. J\_p\_n's f\_rm\_rs \_r\_ h\_p\_ng th\_t th\_s  $n_w = l_c t r_n_c = d w_l l f_n_l l y s t_p w_l d$ \_n\_m\_ls \_\_ t\_ng th\_\_ r cr\_ps.

#### PUNCTUATE THE TEXT AND ADD CAPITALS

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

technology has come to the rescue of japanese farmers for thousands of years they have tried to keep animals away from their farms however engineers have invented the super monster wolf to finally scare away wild animals that want to eat crops of rice pumpkin or sweet potato super monster wolf is a solarpowered scarecrow robot that looks like a real wolf it has lookalike wolf hair big scary teeth and red led eyes with infrared sensors it also has 48 different wolf howls and other noises so animals never get used to it super monster wolf will be used to keep animals like wild boar and deer out of rice paddies farms and fruit orchards farmers lose millions of dollars of crops every year to hungry animals

members of japans agricultural association ja took part in trials of the super monster wolf in nine locations across japan ja spokesman chikao umezawa reported that the robot wolf significantly reduced crop losses he said it was more effective than an electric fence at keeping animals out the robot can sense movement up to one kilometre away and immediately make its scary sounds the robot will start being mass produced from next month it will be 65cm long and 50cm high the price is 4800 but farmers will have the option of renting the wolf by the month japans farmers are hoping that this new electronic aid will finally stop wild animals eating their crops.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html

TechnologyhascometotherescueofJapanesefarmers.Forthousandso fyearstheyhavetriedtokeepanimalsawayfromtheirfarms. However, e ngineershaveinventedthe "SuperMonsterWolf" to finally scare awaywi Idanimalsthatwanttoeatcropsofrice, pumpkinorsweetpotato. SuperM onsterWolfisasolar-poweredscarecrowrobotthatlookslikearealwo lf.Ithaslookalikewolfhair,bigscaryteethandredLEDeveswithinfrared sensors.Italsohas48differentwolfhowlsandothernoisessoanimalsne vergetusedtoit.SuperMonsterWolfwillbeusedtokeepanimalslikewild boaranddeeroutofricepaddies, farmsandfruitorchards. Farmerslose millionsofdollarsofcropseveryyeartohungryanimals.MembersofJapa n'sAgriculturalAssociation(JA)tookpartintrialsoftheSuperMonsterW olfinninelocationsacrossJapan. J Aspokesman Chikao Umezaware port edthattherobotwolfsignificantlyreducedcroplosses. Hesaiditwasmor eeffectivethananelectricfenceatkeepinganimalsout. The robot can se nsemovementuptoonekilometreawayandimmediatelymakeitsscary sounds. The robot will start being mass produced from next month. It will be65cmlongand50cmhigh.Thepriceis\$4,800butfarmerswillhavethe optionofrentingthewolfbythemonth.Japan'sfarmersarehopingthatt hisnewelectronicaidwillfinallystopwildanimalseatingtheircrops.

### **FREE WRITING**

Write about <b>animal robots</b> for 10 minutes. Comment on your partner's paper.							

## **ACADEMIC WRITING**

From <a href="https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html">https://breakingnewsenglish.com/1803/180309-super-monster-wolf.html</a>

Farmers should let wild animals eat some of their crops to help nature. Discuss.						

#### **HOMEWORK**

- **1. VOCABULARY EXTENSION:** Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.
- **2. INTERNET:** Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.
- **3. ANIMAL ROBOTS:** Make a poster about animal robots. Show your work to your classmates in the next lesson. Did you all have similar things?
- **4. CROPS:** Write a magazine article about farmers letting animals eat some of their crops to help nature. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

- **5. WHAT HAPPENED NEXT?** Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.
- **6. LETTER:** Write a letter to an expert on animal robots. Ask him/her three questions about them. Give him/her three of your ideas on how animal robots can help us. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

### **ANSWERS**

### **VOCABULARY (p.4)**

1. С 2. а 3. g 4. b 5. е 6. d 7. f 8. 9. k Т 10. n 11. i 12. i 13. m 14. h

#### TRUE / FALSE (p.5)

b F С d Т e F Т Т h Т

#### **SYNONYM MATCH (p.5)**

1. saving rescue a. 2. tried attempted b. 3. scare c. frighten 4. howls d. cries 5. paddies e. fields agricultural 6. f. farming 7. trials tests q. effective 8. h. successful

10. aid help į.

#### **COMPREHENSION QUESTIONS (p.9)**

9.

4.

5.

6.

7.

8.

9.

Nine

Electric fences

Next month

50cm tall Monthly

option

# **WORDS IN THE RIGHT ORDER (p.20)**

1. Technology 1. Technology has come to the rescue of Japanese farmers. 2. The sun (it's solar-powered) 2. Tried to keep animals away from their farms.

3. Red 3. Scare away animals that want to eat crops.

48 4.

It also has 48 different wolf howls.

5. Millions of dollars Keep animals like deer out of rice paddies.

6. The robot wolf significantly reduced crop losses.

7. It was more effective than an electric fence.

i.

choice

8. The robot will start being mass produced.

9. The option of renting the wolf each month.

10. Finally stop wild animals eating their crops.

## **MULTIPLE CHOICE - QUIZ (p.10)**

b b 5. 6. a 7. c 1. 3. 4. 8. a 9. d 10. c С а

#### **ALL OTHER EXERCISES**

Please check for yourself by looking at the Article on page 2. (It's good for your English;-)