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Photo shows a billion stars

MANY FLASH AND ONLINE ACTIVITIES FOR THIS LESSON, PLUS A LISTENING, AT:

<http://www.NewsEnglishLessons.com/1203/120330-stars.html>

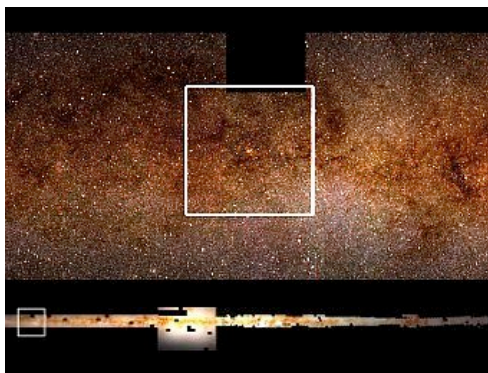


Photo: Mike Read (WFAU) / UKIDSS/GPS/VVV

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30th March, 2012

THE READING / TAPESCRIPT

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

A new photograph shows there are around one billion stars in our galaxy, the Milky Way. It is the first time we can see so many stars in one image. The picture also shows the centre of the galaxy. Astronomers spent ten years making the photo. They used two powerful telescopes in Hawaii and Chile. The stargazers then gave their images to scientists at universities in Edinburgh and Cambridge. They joined the images from the northern and southern hemispheres to create the amazing photograph.

Dr Nick Cross of the University of Edinburgh's School of Physics and Astronomy said: "This incredible image gives us a new [view] of our galaxy and [shows] the far-reaching discoveries we can make." Dr Cross explained his excitement when he first saw the picture: "When it was first produced, I played with it for hours. It's just stunning," he said. He added: "There are many uses for this picture. It will help us really understand the true nature of our galaxy; to see where everything is."

PHRASE MATCH

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

Match the following phrases from the article.

Paragraph 1

- | | |
|------------------------------|----------------------|
| 1. there are around | a. Way |
| 2. the Milky | b. telescopes |
| 3. the centre | c. hemispheres |
| 4. They used two powerful | d. at universities |
| 5. scientists | e. one billion stars |
| 6. the northern and southern | f. of the galaxy |

Paragraph 2

- | | |
|------------------------|------------------------|
| 1. far-reaching | a. with it for hours |
| 2. I played | b. our galaxy |
| 3. It's just | c. discoveries |
| 4. There are many uses | d. where everything is |
| 5. the true nature of | e. for this picture |
| 6. to see | f. stunning |

LISTENING GAP FILL

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

A new photograph shows there are _____ stars in our galaxy, the Milky Way. It is the first time we can see so many _____. The picture also shows the centre of the galaxy. Astronomers _____ making the photo. They used two powerful telescopes in Hawaii and Chile. The stargazers then gave their _____ at universities in Edinburgh and Cambridge. They joined the images from the northern and _____ to create the _____.

Dr Nick Cross of the University of Edinburgh's School of Physics and Astronomy said: "This _____ gives us a new [view] of our galaxy and [shows] the far-_____ we can make." Dr Cross _____ when he first saw the picture: "When it was first produced, I played with it for hours. _____," he said. He added: "There are _____ this picture. It will help us really understand _____ our galaxy; to see where everything is."

MULTIPLE CHOICE

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

A new photograph shows there are (1) ____ one billion stars in our galaxy, the Milky Way. It is the first time we can see (2) ____ many stars in one image. The picture also shows the centre (3) ____ the galaxy. Astronomers spent ten years (4) ____ the photo. They used two powerful telescopes in Hawaii and Chile. The stargazers then gave their images to scientists at universities in Edinburgh and Cambridge. They (5) ____ the images from the northern and southern hemispheres to (6) ____ the amazing photograph.

Dr Nick Cross of the University of Edinburgh's School of Physics and Astronomy said: "This (7) ____ image gives us a new [(8) ____] of our galaxy and [shows] the (9) ____-reaching discoveries we can make." Dr Cross explained his excitement when he first saw the picture: "When it was first produced, I played with it for hours. It's (10) ____ stunning," he said. He added: "There are many (11) ____ for this picture. It will help us really understand the true (12) ____ of our galaxy; to see where everything is."

Put the correct words from this table into the article.

- | | | |
|-------------------|--------------|---------------|
| 1. (a) around | (b) here | (c) all over |
| 2. (a) such | (b) so-so | (c) so |
| 3. (a) as | (b) of | (c) at |
| 4. (a) making | (b) made | (c) makes |
| 5. (a) joint | (b) joined | (c) joining |
| 6. (a) creative | (b) creation | (c) create |
| 7. (a) incredible | (b) inedible | (c) indelible |
| 8. (a) watch | (b) view | (c) see |
| 9. (a) far | (b) long way | (c) via |
| 10. (a) must | (b) dust | (c) just |
| 11. (a) used | (b) using | (c) uses |
| 12. (a) natural | (b) nature | (c) nurture |

SPELLING

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

Spell the jumbled words (from the text) correctly.

Paragraph 1

1. one billion stars in our yaglxa
2. The picture also shows the erecnt
3. two olwfepur telescopes
4. nsessictit at universities
5. northern and ohrsunte hemispheres
6. the zangmia photograph

Paragraph 2

7. This lienibecrd image
8. far-iecnrahg discoveries
9. Dr Cross xaiedplne his excitement
10. first udedcrop
11. It's just gunsntin
12. understand the true renatu

PUT THE TEXT BACK TOGETHER

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

Number these lines in the correct order.

- () uses for this picture. It will help us really understand the true
- () scientists at universities in Edinburgh and Cambridge. They joined the images
- () centre of the galaxy. Astronomers spent ten years making the photo. They used two powerful
- () telescopes in Hawaii and Chile. The stargazers then gave their images to
- () from the northern and southern hemispheres to create the amazing photograph.
- () nature of our galaxy; to see where everything is."
- () Dr Nick Cross of the University of Edinburgh's School of Physics and Astronomy said: "This incredible
- () produced, I played with it for hours. It's just stunning," he said. He added: "There are many
- () make." Dr Cross explained his excitement when he first saw the picture: "When it was first
- () the Milky Way. It is the first time we can see so many stars in one image. The picture also shows the
- () image gives us a new [view] of our galaxy and [shows] the far-reaching discoveries we can
- (**1**) A new photograph shows there are around one billion stars in our galaxy,

THE READING / TAPESCRIPT

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With a partner, put the words back into the correct order.

1. our There one in around stars galaxy are billion.

2. time see stars first can many The we so.

3. photo the making years ten spent Astronomers.

4. their gave then Stargazers scientists to images.

5. hemispheres southern and northern the from Images.

6. a incredible new image view gives us This.

7. far can - make reaching discoveries The we.

8. for uses many are There picture this.

9. understand It help really will us.

10. true of galaxy The nature our.

DISCUSSION (Write your own questions)

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

WRITING

From: <http://www.NewsEnglishLessons.com/1203/120330-stars.html>

Write about stars for 10 minutes. Show your partner your paper. Correct each other's work.

[illegible]

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. STARS: Search the Internet and find more information about stars. Talk about what you discover with your partner(s) in the next lesson.

3. MAGAZINE ARTICLE: Write a magazine article about the Milky Way photo. Include imaginary interviews with the astronomers. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

4. 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.

5. LETTER: Write a letter to an astronomy expert. Ask him/her three questions about stars. Give him/her three of your opinions on them. Read what you wrote to your classmates in the next lesson. Your partner will answer the questions you asked.