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**Level 6 – 22nd July, 2019**

## **Father of modern computing to appear on banknote**

**FREE online quizzes, mp3 listening and more for this lesson here:**

<https://breakingnewsenglish.com/1907/190722-alan-turing.html>

## **Contents**

The Article	2	Discussion (Student-Created Qs)	15
Warm-Ups	3	Language Work (Cloze)	16
Vocabulary	4	Spelling	17
Before Reading / Listening	5	Put The Text Back Together	18
Gap Fill	6	Put The Words In The Right Order	19
Match The Sentences And Listen	7	Circle The Correct Word	20
Listening Gap Fill	8	Insert The Vowels (a, e, i, o, u)	21
Comprehension Questions	9	Punctuate The Text And Add Capitals	22
Multiple Choice - Quiz	10	Put A Slash ( / ) Where The Spaces Are	23
Role Play	11	Free Writing	24
After Reading / Listening	12	Academic Writing	25
Student Survey	13	Homework	26
Discussion (20 Questions)	14	Answers	27

**Please try Levels 4 and 5 (they are easier).**

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# THE ARTICLE

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Alan Turing, the man widely recognised as being the father of modern computer science, has been honored by being selected to appear on a United Kingdom banknote. Mr Turing was chosen ahead of a wealth of notable British historical figures and luminaries to be the face of the new £50 note. Turing was instrumental in helping Britain and its allies win World War II. He led a team of codebreakers to crack the Enigma code the Nazis used to send messages to warships and military commanders. He invented the now famous British Bombe to do this. This was a giant computer, which ushered in the birth of modern computing and the beginnings of artificial intelligence.

Alan Turing was a mathematical genius who also excelled in the sciences. He was born in London in 1912. He graduated from Cambridge University and then outlined his vision for creating an algorithm-based computing machine. He said of his invention: "This is only a foretaste of what is to come, and only the shadow of what is going to be." His idea is central to the computers we use today. His brilliance led to his being asked to join the WWII code-breaking team. Despite his pivotal role in ending that war, he was persecuted in the post-war years for being homosexual. Being gay was illegal in the UK until 1967. He chose to be chemically castrated rather than go to prison. Turing died in 1954, aged 41, in an apparent suicide.

Sources: <https://www.theguardian.com/science/2019/jul/15/alan-turing-father-of-modern-computing-50-pound-note>  
<https://www.telegraph.co.uk/science/2019/07/15/alan-turing-face-new-50-note-first-lgbt-community/>  
<https://www.bbc.com/news/uk-england-manchester-48994393>

# WARM-UPS

**1. COMPUTERS:** Students walk around the class and talk to other students about computers. 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?

computing / science / banknote / historical figures / World War II / code / artificial / intelligence / genius / the sciences / algorithm / brilliance / pivotal / role / homosexual

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

**3. COMPUTER SCIENCE:** Students A **strongly** believe all schoolchildren should learn computer science; Students B **strongly** believe it isn't necessary to do this. Change partners again and talk about your conversations.

**4. NOTABLE FIGURES:** Who are the most notable figures in your country? What is so notable about them? Complete this table with your partner(s). Change partners often and share what you wrote.

	Who?	Why?
Science		
Sports		
Literature		
Music		
Business		
Politics		

**5. MODERN:** Spend one minute writing down all of the different words you associate with the word "modern". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

**6. THE SCIENCES:** Rank these with your partner. Put the most important at the top. Change partners often and share your rankings.

- physics
- computing
- astronomy
- maths
- chemistry
- biology
- geology
- neuroscience

# VOCABULARY MATCHING

## Paragraph 1

- |                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| 1. widely       | a. A group of nation staking military action together.                                      |
| 2. recognised   | b. Showed official appreciation of; reward formally.                                        |
| 3. honored      | c. People who inspire or influence others, especially one prominent in a particular sphere. |
| 4. luminaries   | d. To a large degree.                                                                       |
| 5. instrumental | e. Caused or marked the start of something new.                                             |
| 6. allies       | f. Regarded with great respect.                                                             |
| 7. ushered in   | g. Serving as an key player or means in pursuing an aim or policy.                          |

## Paragraph 2

- |                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| 8. genius      | h. A sample or suggestion of something that lies ahead.                                                                |
| 9. excelled    | i. Gave a summary of something.                                                                                        |
| 10. outlined   | j. Subject someone to hostility and ill-treatment, especially because of their race or political or religious beliefs. |
| 11. foretaste  | k. A person who is exceptionally intelligent or creative, either generally or in some particular respect.              |
| 12. brilliance | l. Was amazingly good at or proficient in an activity or subject.                                                      |
| 13. persecuted | m. The action of killing oneself intentionally.                                                                        |
| 14. suicide    | n. Exceptional talent or intelligence.                                                                                 |

# BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

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

- a. The article said Alan Turing isn't widely recognized in computing. **T / F**
- b. Alan Turing will appear on a new £100 note. **T / F**
- c. Turing helped crack a World War II code called Commando. **T / F**
- d. Alan Turing helped bring about the emergence of artificial intelligence. **T / F**
- e. Turing excelled in maths and the sciences. **T / F**
- f. Alan Turing graduated from Cambridge University in 1912. **T / F**
- g. Alan Turing played a pivotal role in ending WWII early. **T / F**
- h. It is believed Mr Turing took his own life. **T / F**

## 2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- |                      |                 |
|----------------------|-----------------|
| <b>1. recognised</b> | a. plan         |
| <b>2. wealth</b>     | b. harassed     |
| <b>3. figures</b>    | c. emergence    |
| <b>4. commanders</b> | d. supposed     |
| <b>5. birth</b>      | e. acknowledged |
| <b>6. vision</b>     | f. abundance    |
| <b>7. brilliance</b> | g. opted        |
| <b>8. persecuted</b> | h. leaders      |
| <b>9. chose</b>      | i. genius       |
| <b>10. apparent</b>  | j. people       |

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

- |                                      |                            |
|--------------------------------------|----------------------------|
| 1. a wealth of notable British       | a. artificial intelligence |
| 2. Turing was instrumental           | b. an apparent suicide     |
| 3. send messages to warships         | c. mathematical genius     |
| 4. ushered in the birth              | d. based computing machine |
| 5. the beginnings of                 | e. and military commanders |
| 6. Alan Turing was a                 | f. historical figures      |
| 7. creating an algorithm-            | g. role in ending that war |
| 8. This is only a foretaste          | h. of modern computing     |
| 9. his pivotal                       | i. of what is to come      |
| 10. Turing died in 1954, aged 41, in | j. in helping Britain      |

# GAP FILL

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Alan Turing, the man (1) \_\_\_\_\_ recognised as being the father of modern computer science, has been honored by being (2) \_\_\_\_\_ to appear on a United Kingdom banknote. Mr Turing was chosen ahead of a wealth of (3) \_\_\_\_\_ British historical figures and (4) \_\_\_\_\_ to be the face of the new £50 note. Turing was instrumental in helping Britain and its allies win World War II. He led a team of codebreakers to (5) \_\_\_\_\_ the Enigma code the Nazis used to send messages to warships and (6) \_\_\_\_\_ commanders. He invented the now famous British Bombe to do this. This was a giant computer, which (7) \_\_\_\_\_ in the birth of modern computing and the (8) \_\_\_\_\_ of artificial intelligence.

*crack*  
*notable*  
*beginnings*  
*luminaries*  
*widely*  
*ushered*  
*selected*  
*military*

Alan Turing was a mathematical (9) \_\_\_\_\_ who also excelled in the sciences. He was born in London in 1912. He (10) \_\_\_\_\_ from Cambridge University and then outlined his (11) \_\_\_\_\_ for creating an algorithm-based computing machine. He said of his invention: "This is only a (12) \_\_\_\_\_ of what is to come, and only the shadow of what is going to be." His idea is (13) \_\_\_\_\_ to the computers we use today. His brilliance led to his being asked to join the WWII code-breaking team. Despite his (14) \_\_\_\_\_ role in ending that war, he was persecuted in the post-war years for being homosexual. Being gay was (15) \_\_\_\_\_ in the UK until 1967. He chose to be chemically castrated rather than go to prison. Turing died in 1954, aged 41, in an (16) \_\_\_\_\_ suicide.

*graduated*  
*pivotal*  
*foretaste*  
*apparent*  
*genius*  
*illegal*  
*vision*  
*central*

# LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

- 1) the father of modern computer science has been honored by being \_\_\_\_\_
  - a. select it to appear
  - b. selected to appear
  - c. selected to a peer
  - d. selected tour pear
- 2) Mr Turing was chosen ahead of a wealth of notable British \_\_\_\_\_
  - a. historical figure
  - b. historical figurines
  - c. historical figures
  - d. historical figured
- 3) He led a team of codebreakers to crack the \_\_\_\_\_
  - a. Enigma code
  - b. Enigma coda
  - c. Enigma codes
  - d. Enigma coded
- 4) the Nazis used to send messages to warships and \_\_\_\_\_
  - a. militarily commanders
  - b. militia tree commanders
  - c. milli-tree commanders
  - d. military commanders
- 5) This was a giant computer, which ushered in the \_\_\_\_\_ computing
  - a. birth off modern
  - b. birth if modern
  - c. birth of modern
  - d. birth have modern
- 6) Alan Turing was a mathematical genius who also \_\_\_\_\_ sciences
  - a. excelled on the
  - b. excelled in the
  - c. excelled of the
  - d. excelled as the
- 7) He graduated from Cambridge University and then \_\_\_\_\_
  - a. outlined this vision
  - b. outlined his vision
  - c. outline his derision
  - d. outlined his derision
- 8) This is only a foretaste of what is to come, and only the \_\_\_\_\_ is going to be
  - a. shadow of that
  - b. shadow off what
  - c. shadow of what
  - d. shading of what
- 9) being asked to join the WWII code-breaking team. Despite \_\_\_\_\_
  - a. his pivot all role
  - b. his pivot tall role
  - c. his pivot role
  - d. his pivotal role
- 10) Turing died in 1954, aged 41, in an \_\_\_\_\_
  - a. apparently suicide
  - b. apparent suicidal
  - c. apparent suicide
  - d. apparently suicides

# LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Alan Turing, the man widely recognised as being the father of modern computer science, has been (1) \_\_\_\_\_ selected to appear on a United Kingdom banknote. Mr Turing was chosen ahead of a (2) \_\_\_\_\_ British historical figures and luminaries to be the face of the new £50 note. Turing was instrumental in helping Britain and its allies win World War II. He led a team of (3) \_\_\_\_\_ the Enigma code the Nazis used to send messages to (4) \_\_\_\_\_ commanders. He invented the now famous British Bombe to do this. This was a giant computer, (5) \_\_\_\_\_ the birth of modern computing and the (6) \_\_\_\_\_ intelligence.

Alan Turing was a mathematical (7) \_\_\_\_\_ excelled in the sciences. He was born in London in 1912. He graduated from Cambridge University and then (8) \_\_\_\_\_ for creating an algorithm-based computing machine. He said of his invention: "This is only a foretaste of what is to come, and (9) \_\_\_\_\_ of what is going to be." His idea is central to the computers we use today. His brilliance led to his being asked to join the WWII code-breaking team. Despite (10) \_\_\_\_\_ in ending that war, he was persecuted in the post-war years for being homosexual. Being (11) \_\_\_\_\_ in the UK until 1967. He chose to be chemically castrated rather than go to prison. Turing died in 1954, aged 41, in (12) \_\_\_\_\_.



# COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

1. Who was Mr Turing chosen ahead of to appear on a banknote?
2. What denomination of banknote will Mr Turing appear on?
3. What is the name of the code that Alan Turing cracked?
4. What is the name of the computer that Alan Turing made?
5. What is Alan Turing usher in the birth of?
6. When was Alan Turing born?
7. What was Mr Turing's vision of computers based on?
8. What did Mr Turing say his vision was only a shadow of?
9. What was Alan Turing persecuted for in the UK after WWII?
10. In what year did Alan Turing die?

# MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

- 1) Who was Mr Turing chosen ahead of to appear on a banknote?
  - a) other computing giants
  - b) British historical figures and luminaries
  - c) many writers and poets
  - d) 15 British prime ministers
- 2) What denomination of banknote will Mr Turing appear on?
  - a) the £5 note
  - b) the £10 note
  - c) the £100 note
  - d) the £50 note
- 3) What is the name of the code that Alan Turing cracked?
  - a) Enigma
  - b) Commando
  - c) Generation
  - d) Success
- 4) What is the name of the computer that Alan Turing made?
  - a) Apple
  - b) IBM
  - c) the British Bombe
  - d) the English Rose
- 5) What did Alan Turing usher in the birth of?
  - a) algorithms
  - b) modern computing
  - c) digital code
  - d) the computer mouse
- 6) When was Alan Turing born?
  - a) 1909
  - b) 1911
  - c) 1912
  - d) 1910
- 7) What was Mr Turing's vision of computers based on?
  - a) Egyptian hieroglyphics
  - b) plasma
  - c) quantum physics
  - d) an algorithm
- 8) What did Mr Turing say his vision was only a shadow of?
  - a) what is going to be
  - b) what always was
  - c) what could be
  - d) what was to be
- 9) What was Alan Turing persecuted for in the UK after WWII?
  - a) being homosexual
  - b) spying
  - c) not doing enough
  - d) his politics
- 10) In what year did Alan Turing die?
  - a) 1952
  - b) 1954
  - c) 1953
  - d) 1951

# ROLE PLAY

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

## **Role A – Physics**

You think physics is the most important science. Tell the others three reasons why. Tell them what is wrong with their sciences. Also, tell the others which is the least important of these (and why): computing, neuroscience or astronomy.

## **Role B – Computing**

You think computing is the most important science. Tell the others three reasons why. Tell them what is wrong with their sciences. Also, tell the others which is the least important of these (and why): physics, neuroscience or astronomy.

## **Role C – Neuroscience**

You think neuroscience is the most important science. Tell the others three reasons why. Tell them what is wrong with their sciences. Also, tell the others which is the least important of these (and why): computing, physics or astronomy.

## **Role D – Astronomy**

You think astronomy is the most important science. Tell the others three reasons why. Tell them what is wrong with their sciences. Also, tell the others which is the least important of these (and why): computing, neuroscience or physics.

# AFTER READING / LISTENING

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

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

modern	computing

- 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:

<ul style="list-style-type: none"><li>• widely</li><li>• ahead</li><li>• instrumental</li><li>• crack</li><li>• now</li><li>• giant</li></ul>	<ul style="list-style-type: none"><li>• genius</li><li>• vision</li><li>• shadow</li><li>• join</li><li>• gay</li><li>• 41</li></ul>
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# COMPUTERS SURVEY

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Write five GOOD questions about computers 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.

# COMPUTERS 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 'computing'?
3. What do you know about Alan Turing?
4. What do you know about the people on your banknotes?
5. How did the beginnings of computing begin?
6. Who do you think are the biggest historical figures?
7. How do you think Alan Turing helped in World War II?
8. What will computers be like in 50 years from now?
9. How useful is it to study computer science?
10. What do you know about artificial intelligence?

*Father of modern computing to appear on banknote – 22nd July, 2019*  
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# COMPUTERS 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 'banknote'?
13. What do you think about what you read?
14. What would you like to be a genius at?
15. How good were you at sciences?
16. How has Alan Turing changed the world?
17. What is an algorithm?
18. What three adjectives best describe this story?
19. How sad was the end of Alan Turing's life?
20. What questions would you like to ask an Alan Turing biographer?

## **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. \_\_\_\_\_

# LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Alan Turing, the man (1) \_\_\_\_\_ recognised as being the father of modern computer science, has been honored by being selected to appear on a United Kingdom banknote. Mr Turing was chosen (2) \_\_\_\_\_ of a wealth of notable British historical figures and luminaries to be the face of the new £50 note. Turing was (3) \_\_\_\_\_ in helping Britain and its (4) \_\_\_\_\_ win World War II. He led a team of codebreakers to crack the Enigma code the Nazis used to send messages to warships and military commanders. He invented the (5) \_\_\_\_\_ famous British Bombe to do this. This was a giant computer, which ushered in the (6) \_\_\_\_\_ of modern computing and the beginnings of artificial intelligence.

Alan Turing was a mathematical (7) \_\_\_\_\_ who also excelled in the sciences. He was born in London in 1912. He graduated from Cambridge University and then outlined his vision (8) \_\_\_\_\_ creating an algorithm-based computing machine. He said of his invention: "This is only a (9) \_\_\_\_\_ of what is to come, and only the shadow of what is going to be." His idea is central to the computers we use today. His brilliance led to his being asked to join the WWII code-breaking team. Despite his (10) \_\_\_\_\_ role in ending that war, he was persecuted in the (11) \_\_\_\_\_-war years for being homosexual. Being gay was illegal in the UK until 1967. He chose to be chemically castrated rather than go to prison. Turing died in 1954, aged 41, in an (12) \_\_\_\_\_ suicide.

## Put the correct words from the table below in the above article.

- |     |               |                |                  |                |
|-----|---------------|----------------|------------------|----------------|
| 1.  | (a) widely    | (b) widen      | (c) width        | (d) wides      |
| 2.  | (a) before    | (b) previous   | (c) ahead        | (d) forward    |
| 3.  | (a) equipment | (b) geared     | (c) instrumental | (d) tooling    |
| 4.  | (a) ailments  | (b) ails       | (c) allied       | (d) allies     |
| 5.  | (a) new       | (b) non        | (c) now          | (d) ne'er      |
| 6.  | (a) baptism   | (b) birth      | (c) bear         | (d) extraction |
| 7.  | (a) genie     | (b) genius     | (c) gene         | (d) geneticist |
| 8.  | (a) vase      | (b) vision     | (c) derision     | (d) decider    |
| 9.  | (a) tasty     | (b) aftertaste | (c) foretaste    | (d) tasteless  |
| 10. | (a) hinge     | (b) fulcrum    | (c) axis         | (d) pivotal    |
| 11. | (a) finished  | (b) mail       | (c) post         | (d) pole       |
| 12. | (a) apparel   | (b) apparels   | (c) apparently   | (d) apparent   |



# SPELLING

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

## Paragraph 1

1. widely secgenorid as being the father
2. a wealth of notable British olsthiicar figures
3. Turing was tlamtiernusn in helping Britain
4. amryitli commanders
5. rsedehu in the birth of modern computing
6. the beginnings of ticiraaifl intelligence

## Paragraph 2

7. a mathematical neuigs
8. an ihgmotrla-based computing machine
9. His eiblalnric led to his being asked
10. Despite his ilvpato role in ending that war
11. he was rtseeucdpe in the post-war years
12. in an pnarptae suicide

# PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

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

- ( ) in the birth of modern computing and the beginnings of artificial intelligence.
- ( ) honored by being selected to appear on a United Kingdom banknote. Mr Turing was chosen ahead
- ( ) in London in 1912. He graduated from Cambridge University and then outlined his vision for creating an algorithm-
- ( ) shadow of what is going to be." His idea is central to the computers we use today. His brilliance
- ( **1** ) Alan Turing, the man widely recognised as being the father of modern computer science, has been
- ( ) in helping Britain and its allies win World War II. He led a team of codebreakers to
- ( ) castrated rather than go to prison. Turing died in 1954, aged 41, in an apparent suicide.
- ( ) based computing machine. He said of his invention: "This is only a foretaste of what is to come, and only the
- ( ) crack the Enigma code the Nazis used to send messages to warships and military
- ( ) Alan Turing was a mathematical genius who also excelled in the sciences. He was born
- ( ) in the post-war years for being homosexual. Being gay was illegal in the UK until 1967. He chose to be chemically
- ( ) of a wealth of notable British historical figures and luminaries to be the face of the new £50 note. Turing was instrumental
- ( ) led to his being asked to join the WWII code-breaking team. Despite his pivotal role in ending that war, he was persecuted
- ( ) commanders. He invented the now famous British Bombe to do this. This was a giant computer, which ushered

# PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

1. banknote . a on U .K . Being to selected appear
2. figures . Ahead historical notable of of wealth a
3. win . allies helping and Instrumental its in Britain
4. codebreakers Enigma to team code . the crack A of
5. of ushered computing . birth in the This modern
6. to foretaste of what come . a is Only
7. role his Despite war . ending pivotal that in
8. for being homosexual . Persecuted years post-war the in
9. was gay 1967 . Britain Being illegal until in
10. suicide . apparent in in died an 1954 Turing

# CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Alan Turing, the man widely *recognised* / *recognition* as being the father of modern computer science, has *been* / *being* honored by being selected to appear on a United Kingdom banknote. Mr Turing was chosen *heading* / *ahead* of a wealth of *note* / *notable* British historical figures and *luminaries* / *illuminations* to be the *face* / *fierce* of the new £50 note. Turing was instrumental in helping Britain and its *allied* / *allies* win World War II. He led a team of codebreakers to *crack* / *chip* the Enigma code the Nazis used to send messages to warships and military commanders. He invented the now famous British Bombe to do this. This was a giant computer, which ushered in the *born* / *birth* of modern computing and the beginnings *at* / *of* artificial intelligence.

Alan Turing was a mathematical *genie* / *genius* who also excelled in the sciences. He was born in London in 1912. He graduated from Cambridge University and then *lined* / *outlined* his vision for creating an algorithm-based computing *engine* / *machine*. He said of his invention: "This is only a *forecast* / *foretaste* of what is to come, and only the *shade* / *shadow* of what is going to be." His idea is central to the computers we use today. His *brilliance* / *brilliant* led to his being asked to join the WWII code-breaking team. Despite his pivotal *roll* / *role* in ending that war, he was persecuted in the post-war years for being *homosexuality* / *homosexual*. Being gay was illegal in the UK until 1967. He chose to be chemically castrated *rather* / *prefer* than go to prison. Turing died in 1954, aged 41, in an *apparently* / *apparent* suicide.

**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)

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A l\_n T\_r\_n g , t h\_ m\_n w\_d\_l y r\_c\_g n\_s\_d \_s  
b\_\_ n g t h\_ f\_t h\_r \_f m\_d\_r n c\_m\_p\_t\_r s c\_\_ n c\_,  
h\_s b\_\_ n h\_n\_r\_d b y b\_\_ n g s\_l\_c t\_d t\_ \_p p\_\_  
r \_n \_ U n\_t\_d K\_n g d\_m b\_n k n\_t\_. M r T\_r\_n g  
w\_s c h\_s\_n \_h\_\_ d \_f \_ w\_\_ l t h \_f n\_t\_b l\_ B r\_t\_s  
h h\_s t\_r\_c\_l f\_g\_r\_s \_n d l\_m\_n\_r\_\_ s t\_ b\_ t h\_  
f\_c\_ \_f t h\_ n\_w £ 5 0 n\_t\_. T\_r\_n g w\_s \_n s t  
r\_m\_n t\_l \_n h\_l p\_n g B r\_t\_\_ n \_n d \_t\_s \_l l\_\_ s  
w\_n W\_r l d W\_r I I . H\_ l\_d \_ t\_\_ m \_f c\_d\_b r\_\_  
k\_r\_s t\_ c\_r\_c k t h\_ E\_n g m\_ c\_d\_ t h\_ N\_z\_s \_s\_d  
t\_ s\_n d m\_s s\_g\_s t\_ w\_r s h\_p s \_n d m\_l\_t\_r y  
c\_m m\_n d\_r s . H\_ \_n v\_n t\_d t h\_ n\_w f\_m\_\_ s B  
r\_t\_s h B\_m b\_ t\_ d\_ t h\_s . T h\_s w\_s \_ g\_\_ n t  
c\_m p\_t\_r , w h\_c h \_s h\_r\_d \_n t h\_ b\_r t h \_f  
m\_d\_r n c\_m p\_t\_n g \_n d t h\_ b\_g\_n n\_n g s \_f \_r  
t\_f\_c\_\_ l \_n t\_l\_l\_g\_n c\_.

A l\_n T\_r\_n g w\_s \_ m\_t h\_m\_t\_c\_l g\_n\_\_ s w h\_ \_l  
s\_ \_x c\_l l\_d \_n t h\_ s c\_\_ n c\_s . H\_ w\_s b\_r n \_n  
L\_n d\_n \_n 1912 . H\_ g\_r\_d\_\_ t\_d f\_r\_m C\_m b\_r\_d  
g\_ U n\_v\_r s\_t y \_n d t h\_n \_\_ t\_l\_n\_d h\_s v\_s\_\_ n  
f\_r c\_r\_\_ t\_n g \_n \_l g\_r\_t h m - b\_s\_d c\_m p\_t\_n g  
m\_c h\_n\_. H\_ s\_\_ d \_f h\_s \_n v\_n t\_\_ n : " T h\_s \_s  
\_n l y \_ f\_r\_t\_s t\_ \_f w h\_t \_s t\_ c\_m\_, \_n d \_n l y  
t h\_ s h\_d\_w \_f w h\_t \_s g\_\_ n g t\_ b\_ . " H\_s \_d\_\_  
\_s c\_n t\_r\_l t\_ t h\_ c\_m p\_t\_r s w\_ \_s\_ t\_d\_y . H\_s  
b\_r\_l l\_\_ n c\_ l\_d t\_ h\_s b\_\_ n g \_s k\_d t\_ j\_\_ n t  
h\_ W W I I c\_d\_- b\_r\_\_ k\_n g t\_\_ m . D\_s p\_t\_ h\_s  
p\_v\_t\_l r\_l\_ \_n \_n d\_n g t h\_t w\_r , h\_ w\_s p\_r  
s\_c\_t\_d \_n t h\_ p\_s t - w\_r y\_\_ r s f\_r b\_\_ n g  
h\_m\_s\_x\_\_ l . B\_\_ n g g\_y w\_s \_l l\_g\_l \_n t h\_ U K  
\_n t\_l 1967 . H\_ c h\_s\_ t\_ b\_ c h\_m\_c\_l l y c\_s t  
r\_t\_d r\_t h\_r t h\_n g\_ t\_ p\_r\_s\_n . T\_r\_n g d\_\_ d  
\_n 1954 , \_g\_d 41 , \_n \_n \_p p\_r\_n t s\_\_ c\_d\_.

# PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

alan turing the man widely recognised as being the father of modern computer science has been honored by being selected to appear on a united kingdom banknote mr turing was chosen ahead of a wealth of notable british historical figures and luminaries to be the face of the new 50 note turing was instrumental in helping britain and its allies win world war ii he led a team of codebreakers to crack the enigma code the nazis used to send messages to warships and military commanders he invented the now famous british bombe to do this this was a giant computer which ushered in the birth of modern computing and the beginnings of artificial intelligence

alan turing was a mathematical genius who also excelled in the sciences he was born in london in 1912 he graduated from cambridge university and then outlined his vision for creating an algorithmbased computing machine he said of his invention this is only a foretaste of what is to come and only the shadow of what is going to be his idea is central to the computers we use today his brilliance led to his being asked to join the wwii codebreaking team despite his pivotal role in ending that war he was persecuted in the postwar years for being homosexual being gay was illegal in the uk until 1967 he chose to be chemically castrated rather than go to prison turing died in 1954 aged 41 in an apparent suicide.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1907/190722-alan-turing.html>

Alan Turing, the man widely recognised as being the father of modern computer science, has been honored by being selected to appear on a United Kingdom banknote. Mr Turing was chosen as a head of a wealth of notable British historical figures and luminaries to be the face of the new £50 note. Turing was instrumental in helping Britain and its allies win World War II. He led a team of codebreakers to crack the Enigma code the Nazis used to send messages to warships and military commanders. He invented the now famous British Bombe to do this. This was a giant computer, which ushered in the birth of modern computing and the beginnings of artificial intelligence. Alan Turing was a mathematical genius who also excelled in the sciences. He was born in London in 1912. He graduated from Cambridge University and then outlined his vision for creating an algorithm-based computing machine. He said of his invention: "This is only a foretaste of what is to come, and only the shadow of what is going to be." His idea is central to the computers we use today. His brilliance led to his being asked to join the WWII code-breaking team. Despite his pivotal role in ending that war, he was persecuted in the post-war years for being homosexual. Being gay was illegal in the UK until 1967. He chose to be chemically castrated rather than go to prison. Turing died in 1954, aged 41, in an apparent suicide.







# 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. ALAN TURING:** Make a poster about Alan Turing. Show your work to your classmates in the next lesson. Did you all have similar things?

**4. COMPUTERS:** Write a magazine article about computers. Include imaginary interviews with people who are for and against them.

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 computers. Ask him/her three questions about them. Give him/her three of your opinions on the three things computers are most useful for. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

# ANSWERS

## VOCABULARY (p.4)

1. d    2. b    3. f    4. c    5. g    6. a    7. e  
8. k    9. l    10. i    11. h    12. n    13. j    14. m

## TRUE / FALSE (p.5)

- a F    b F    c F    d T    e T    f F    g T    h T

## SYNONYM MATCH (p.5)

- |               |                 |
|---------------|-----------------|
| 1. recognised | a. acknowledged |
| 2. wealth     | b. abundance    |
| 3. figures    | c. people       |
| 4. commanders | d. leaders      |
| 5. birth      | e. emergence    |
| 6. vision     | f. plan         |
| 7. brilliance | g. genius       |
| 8. persecuted | h. harassed     |
| 9. chose      | i. opted        |
| 10. apparent  | j. supposed     |

## COMPREHENSION QUESTIONS (p.9)

1. British historical figures and luminaries
2. The £50 note
3. Enigma
4. The British Bombe
5. Modern computing
6. 1912
7. An algorithm
8. What is going to be
9. Being homosexual
10. 1954

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

1. Being selected to appear on a U.K. banknote.
2. Ahead of a wealth of notable historical figures.
3. Instrumental in helping Britain and its allies win.
4. A team of codebreakers to crack the Enigma code.
5. This ushered in the birth of modern computing.
6. Only a foretaste of what is to come.
7. Despite his pivotal role in ending that war.
8. Persecuted in the post-war years for being homosexual.
9. Being gay was illegal in Britain until 1967.
10. Turing died in 1954 in an apparent suicide.

## MULTIPLE CHOICE - QUIZ (p.10)

1. b    2. d    3. a    4. c    5. b    6. c    7. d    8. a    9. a    10. b

## ALL OTHER EXERCISES

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