UNIVERSITY OF CAMBRIDGE ESOL EXAMINATIONS

English for Speakers of Other Languages

TEACHING KNOWLEDGE TEST   **004**

CONTENT AND LANGUAGE INTEGRATED LEARNING   **SAMPLE PAPER**

1 hour 20 minutes

Additional material:
   Answer sheet
   Soft clean eraser
   Soft pencil (type B or HB is recommended)

TIME   1 hour 20 minutes

INSTRUCTIONS TO CANDIDATES

Do not open this question paper until you are told to do so.

Write your name, Centre number and candidate number on your answer sheet if they are not already there.

Read the instructions for each part of the paper carefully.

Answer all the questions.

Read the instructions on the answer sheet.

Mark your answers on the answer sheet. Use a pencil.

You **must** complete the answer sheet within the time limit.

At the end of the test, hand in both the question paper and the answer sheet.

INFORMATION FOR CANDIDATES

There are 80 questions on this paper.

Each question carries one mark.

For questions **1 – 7**, match the classroom activities with the main aims of CLIL listed **A – D**.

Mark the correct letter (**A – D**) on your answer sheet.

You need to use some of the options more than once.

___

Main aims of CLIL

A	to focus on content vocabulary
B	to develop communication skills
C	to develop cognitive skills
D	to raise awareness of culture

Classroom activities

1   Learners discuss in groups how they set up their Science experiments.

2   Learners find out about different ways of celebrating spring festivals.

3   The teacher highlights the parts of a river from a Geography text which the class has just read.

4   Learners give poster presentations about their group projects.

5   Learners classify plants according to several criteria.

6   Learners predict the outcome of an electricity experiment.

7   Learners do a web search to find out about traditional recipes for bread-making.

For questions **8 – 13**, look at the tasks and the three possible areas of language.

Two of the areas of language are central to the tasks. One of the areas of language is **<u>NOT</u>** central to the task.

Mark the area of language which is **<u>NOT</u>** central on your answer sheet.

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8   For writing about an experiment on gravity the learners did in the lab

     A   the past tense
     B   comparative forms
     C   question tags

9   For writing a quiz on 'Facts about Whales'

     A   exclamations
     B   question forms
     C   the present tense

10   For designing a poster describing the digestive process

     A   reported speech
     B   conjunctions of time
     C   impersonal pronouns

11   For working in groups to label parts of the body

     A   adverbs of frequency
     B   language for checking answers
     C   singular and plural forms of nouns

12   For taking part in a class discussion speculating about the climate in the future

     A   modal verbs expressing possibility or probability
     B   vocabulary for expressing feeling
     C   language for expressing opinions

13   For reconstructing a text on how glass is made

     A   passive forms
     B   sequencing words
     C   superlative forms

For questions **14 – 19**, match the teacher's questions with the main thinking skills they aim to develop listed **A**, **B** and **C**.

Mark the correct letter (**A**, **B** or **C**) on your answer sheet.

You need to use some of the options more than once.

Main thinking skills

A	reasoning
B	creative thinking
C	evaluating

Teacher's questions

14 How would you assess the different rhythms you heard played on the percussion instruments?

15 Which is the city with the highest rainfall, according to the graph?

16 Who do you think are the most interesting people in the story?

17 Which features would you have in your ideal car?

18 What would you do if you won an Olympic gold medal?

19 Which Prime Minister behaved responsibly?

For questions **20 – 25**, match the instructions with the learning skills listed **A**, **B** and **C**.

Mark the correct letter (**A**, **B** or **C**) on your answer sheet.

You need to use some of the options more than once.

Learning skills

A	locating information
B	organising information
C	communicating information

Instructions

20   Listen to the music then beat out the rhythm to your partner.

21   Find three websites to help you find out how rubbish is recycled in different countries.

22   Decide which data to put on the x axis of the graph.

23   Put the pictures in order of the life cycle.

24   Look in the science books and find two birds that can't fly.

25   Show your example of 15th-century Italian art and explain four of the symbols in it.

For questions **26 – 31**, match the extracts from a geography lesson plan with the lesson plan headings listed **A – G**.

Mark the correct letter (**A – G**) on your answer sheet.

There is one extra option which you do not need to use.

	Extracts		**Lesson plan headings**
26	To be able to explain how rivers are formed	**A**	Syllabus fit
27	Identifying processes, identifying cause and effect, predicting consequences	**B**	Target language
28	A model of mountains and a valley, a tub of water	**C**	Intended learning outcomes
29	We have studied how rain affects different soils (sand, clay, rock etc) and next lesson we will go on a trip to study our local river.	**D**	Procedure
30	A valley, it cuts through, an estuary, it runs down/towards, steep, deep, it wears away	**E**	Thinking skills
31	Learners take it in turns to pour water on to the tops of the model mountains, and then describe what happened and will happen to it.	**F**	Teacher's personal aims
		G	Resources

For questions **32 – 38**, match the visual organisers with their names listed **A – H**.
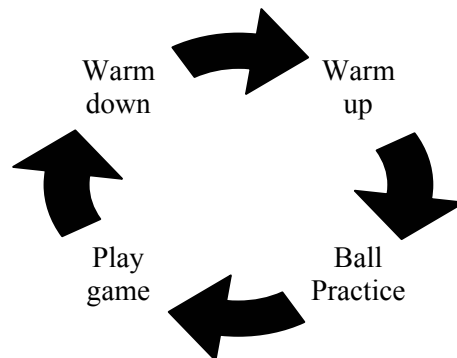
Mark the correct letter (**A – H**) on your answer sheet.

There is one extra option which you do not need to use.

Visual organiser names
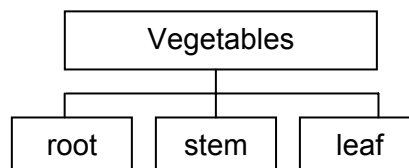
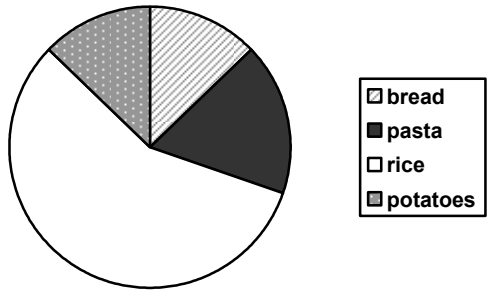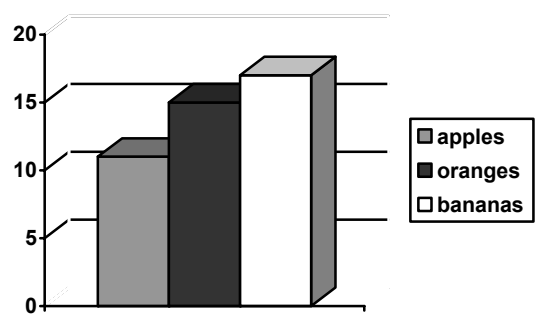|	
A	thought bubble
B	column table
C	Carroll diagram
D	pie chart
E	Venn diagram
F	bar chart
G	cycle
H	tree diagram

Visual organisers

32

33

Turn over ▶

34

	bread
	pasta
	rice
	potatoes

35

	Food	Drink
Natural	apples	water
Manufactured	pasta	coke

36

	apples
	oranges
	bananas

37

How often do you…	Me	Friend 1	Friend 2
go swimming?			
play tennis?			
do gymnastics?			

38

indoor sports

outdoor sports

water sports
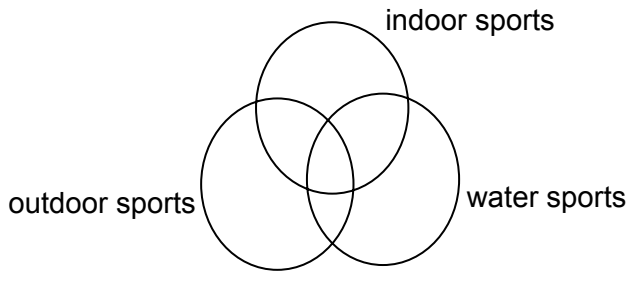
For questions **39 – 44**, match the ways of focusing on content with the examples from a coursebook listed **A**, **B** and **C**.

Mark the correct letter (**A**, **B** or **C**) on your answer sheet.

You need to use some of the options more than once.

Coursebook examples

A	B	C
'What are teeth for? What kinds of teeth are there?'	An adult has **32** teeth. These are three types: • Incisors *cut* food • Canines *tear* food • Molars *crush* and *grind* food There are **8** incisors, **4** canines and **20** molars.	Make a drawing of your friend's teeth. Colour: red: incisors blue: canines green: molars

Adapted from: Science 3 (2006) Madrid: Richmond Santillana (sample materials)

Ways of focusing on content

39   variety of font styles

40   activating prior knowledge

41   classification task

42   personalisation

43   repetition of key vocabulary

44   encouraging production of the target language

For questions **45 – 50**, match the science activities with the examples of activity types listed **A – G**.

Mark the correct letter (**A – G**) on your answer sheet.

There is one extra option which you do not need to use.

Activity types

A	classifying
B	matching
C	ordering
D	odd one out
E	labelling
F	information transfer
G	word completion

Science activities

45   Read the text then add the key words to the diagram of the ear.

46   Look at the description again. Number the stages as they occur in the design process.

47   There are three states of matter: s _ _ _ _ , l _ _ _ _ _ and g _ _ .

48   Put the materials into the correct column

animal	mineral	plant

49   Listen to the recording about planets and complete the table in your coursebook.

50   Draw a line from the adjectives to the definitions.

1. fragile   a. it bends
2. transparent   b. it doesn't absorb liquid
3. flexible   c. it can be seen through
4. waterproof   d. it breaks easily

For questions **51 – 57**, match the teacher's language with its teaching purpose listed **A – H**.

Mark the correct letter (**A – H**) on your answer.

There is one extra option which you do not need to use.

Teaching purposes

A	giving a practical demonstration
B	developing learner independence
C	activating prior knowledge
D	encouraging use of first language
E	pre-teaching vocabulary
F	developing communicative skills
G	giving feedback
H	providing a language support frame

Teacher's language

51 Let's brainstorm together different ways of recording information.

52 These are called databases. This is Excel. These are known as column graphs.

53 Discuss with a partner which of the databases will be the most effective for presenting average monthly temperatures.

54 Look at the screen as I explain. Open Excel. Click on the Chart Wizard button and using Column graph, write the temperatures. Click Finish to see the graph. Now you try.

55 Complete these sentences using the information from your graph.

January was _____ month.
July and August were _____ months.
November wasn't _____ month.

56 Use the internet to find the average monthly temperatures in two cities, one in Europe and one in Asia. Put the information into a spreadsheet using Excel.

57 You've missed out a column on your spreadsheet. Look at it again and tell me what it is.

Turn over ▶

For questions **58 – 64**, match the learners' language with the scaffolding strategies they use during groupwork listed **A**, **B** and **C**.

Mark the correct letter (**A**, **B** or **C**) on your answer sheet.

You need to use some of the options more than once.

Scaffolding strategies

A	giving positive feedback
B	breaking a task down into steps
C	reminding the group of the aim of a task

Learners' language

58　The first thing we have to do with the data is decide which criteria we'll use to sort it into different columns.

59　The weather map we've drawn should really help us with our homework.

60　We need to work out the fractions without using a calculator.

61　So the idea is to find out which material is the strongest, OK?

62　Right, we must make sure we've saved our results on the spreadsheet before we go on.

63　Come on. What we have to do is identify the healthiest food, not the three healthiest foods.

64　The pie chart's accurate but you need to add a title.

For questions **65 – 70**, match the teaching instructions to the learning strategies listed **A – G** that they aim to develop.

Mark the correct letter (**A – G**) on your answer sheet.

There is one extra option which you do not need to use.

Learning strategies

A	setting learning goals
B	using visual prompts to aid memory
C	facilitating auditory learning
D	identifying key information
E	risk-taking
F	organising learning
G	seeking clarification

Teaching instructions

The teacher tells the students to…

65 divide their maths notebooks into separate sections for different topics.

66 write the key words in their geography notebook and illustrate them.

67 ask for help whenever they have not understood how to record data on graphs.

68 write a list of the things they want to achieve in economics by the end of term.

69 express their ideas about protecting the environment even when they are not sure of all the English words.

70 read their 'Keep Healthy' advertisements aloud to themselves at home.

For questions **71 – 75**, match the assessment activities with the types of assessment listed **A – F**.

Mark the correct letter (**A – F**) on your answer sheet.

There is one extra option which you do not need to use.

Types of assessment

> **A** The teacher is assessing the learners' language skills.
>
> **B** The teacher is assessing the learners' understanding of content.
>
> **C** Each learner is self-assessing his or her own language skills.
>
> **D** Each learner is self-assessing his or her own understanding of content.
>
> **E** Learners are assessing each other's language skills.
>
> **F** Learners are assessing each other's understanding of content.

Activities

71 The learners are looking through their notebooks and answering questions to find out about what they know and don't know about population growth.

72 The learners have written sentences using comparative forms which the teacher is now marking.

73 Learners are conducting interviews about what they did last week and making a note of their partner's use of sequencing words.

74 Each learner is re-reading a biography they have written for homework before handing it in to the teacher. They are checking whether it is well-paragraphed and has a clear introduction and conclusion.

75 The learners have written some quiz questions about historical events they studied this term and are now talking in groups, asking each other their questions.

For questions **76 – 80**, match the language problems a teacher can face when writing a CLIL test with the possible support strategies listed **A – F**.

Mark the correct letter (**A – F**) on your answer sheet.

There is one extra option which you do not need to use.

Support strategies

A	Paraphrase parts of the instructions.
B	Use texts that motivate the learners.
C	Let learners use some L1.
D	Include a diagram of the text.
E	Allow learners more time.
F	Include a glossary.

Language problems

76 Learners may not understand the general structure of a population report.

77 Learners may not understand key words in the report about the electricity experiments.

78 Learners may not understand what they need to do in maths problems.

79 Learners may not have enough English to write full sentences for the economics questions.

80 Learners often take longer to process both content and target language when reading several long History texts.

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