



## Middle Classes

### Lesson Two

#### Theme

The Census in Ireland

#### Objectives

That the child will be enabled to learn about:

- the history of the census in Ireland
- Census 2002
- the Census 2002 motto

#### Key Messages

- The census has been conducted in Ireland every five or ten years since 1841.
- Census 2002 will be conducted on April 28<sup>th</sup>. Every householder must complete and return the questionnaire.
- The census provides us with the knowledge to build our future.

#### Resources

Copies of Activity sheets / Discussion box

#### Follow-Up Activities

- 28th April 2002
- Word Wizard
- Lollipop Logic
- Brain Drain

#### Integration/Linkage

- **Maths:** Number – Number Theory/Palindrome/Shape and Space/Problem Solving
- **English:** Oral Language / Vocabulary Development

## Teacher's Notes

#### *Talk and Discussion*

- Revise the key learning points from Lesson One.
- Discuss the history of the census in Ireland with the children.
- List the years in which the census was held on the blackboard

*The following information on the Census could be shared with the children:*

#### **History of Census in Ireland**

The census has been held in Ireland since 1841. How many years ago was the first census? (161)

The census was then held every ten years up to and including 1911. [Some work could be done on place value focusing on the addition of ten in the tens place e.g. 1841 – 1851 – 1861 – 1871....Using the 100 square, the children could be shown the pattern of counting in tens by placing a counter on 41 then on 51, 61, 71... Return to the number 1841 and then use the strategy that the children have learned.]

Starting in 1951, censuses were held every five years. This continued until 1976. [Another opportunity for number work – adding on 5. This will be in the tens place as 5 is less than 10. Through the use of the 100 square, the children will see a pattern again – starting with 51, then onto 56, 61, 66, 71. Return to the number 1951 and then use the strategy that the children have learned.]

In 1976, the census was cancelled due to budgetary cutbacks. Discuss cost of conducting census – recruiting and training staff, transport costs, administration costs, technology, and publishing results...

A census containing only 6 questions was held in 1979. Can you suggest what these questions were?

Censuses continued from then until 2001 (last year). This census was postponed until 2002. Have you any idea why? (Foot and Mouth Disease)

- \* Ask the children if they know when the next census will be held in Ireland. Explain that the next census will be held on April 28<sup>th</sup> 2002.
- \* A brainstorming session on 'Census 2002' could follow by getting the children to draw up a list of 5 / 6 questions they have about this year's census. This could be a group or individual activity. Questions could then be placed in the discussion box. Questions can be selected from the discussion box and read out to the class by the teacher or by a pupil. The children may be able to answer some of these questions within the group or they may need input from the teacher.
- \* Some key questions are listed below as well as information on Census 2002 that could be shared with the children. Individual teachers will have to carefully select information / vocabulary appropriate to class level and ability.
- \* Follow-up activities: 28<sup>th</sup> April 2002 / Word Wizard / Lollipop Logic / Brain Drain / Children design a census information pamphlet for the public (A4 sheet folded into 3). This activity is suitable for children in fourth class. For those who have a computer in the classroom, a word processing program could be used to design this pamphlet.

## Census 2002

Census 2002 is the first census to be conducted in the new millennium (How many years in a millennium, century, and decade? What century are we in now?)

The census will be conducted by the Central Statistics Office on April 28<sup>th</sup> 2002 – the last Sunday in April (this point provides an opportunity to work on the calendar).

The full co-operation of the public is essential for the success of the census.

### Key questions:

#### **When will the public receive census forms?**

Census forms will be delivered 4 weeks prior to Census Day and will be collected during the following four weeks by Census Enumerators.

#### **Who will complete the census form?**

- The householder or an adult present on the night of Sunday 28<sup>th</sup> April 2002.
- The person in charge of a communal establishment e.g. hotel, hospital, barracks...
- The person in charge of any vessel in Irish territorial waters on that night.

#### **Who should be covered?**

Everyone who spends Census Night in the country.

#### **Is it compulsory to complete the census form?**

There is a legal requirement on the public to participate in the census. Any person who fails or refuses to provide the information requested on the census form or who provides false information may be subject to a fine of up to 25, 000 euro.

#### **What does the census form look like?**

The census form is a 24-page booklet catering for 6 persons in each household. If there are more than six persons in the house on Census night, a continuation booklet should be used.

Extensive use has been made of tick-boxes, while responses that require written answers will be entered in text boxes.

The form has been designed with scanning in mind. It is important to use a black / blue pen when completing the form as information will be scanned into a computer.

**Are there any new questions on the census form?**

A census pilot test was carried out in 1999. It was then decided to put a number of new questions on the census form. These include:

- PC ownership and access to the Internet
- Nationality
- Membership of the Irish Traveller Community
- Disability
- Time of leaving home to go to work, school, college... and time taken
- Third level qualifications held
- Providing regular unpaid help for another
- Labour market participation according to International Labour recommendations

Discuss with the children why these questions are asked and how this information will help in building the future.

**What if I am not familiar with the Irish or English language?**

The census form has been translated into many languages e.g. Albanian, French, Polish, Romanian, Russian... to assist those who do not understand Irish or English.

**What if I cannot read the Census form?**

Special arrangements have been put in place to assist visually impaired persons.

The enumerator is trained to offer assistance to visually impaired persons.

A large print version of the census form is available.

## Vocabulary Development

In the Talk and Discussion session, it will be important to develop vocabulary on the Census theme. The following list may be helpful:

- |                  |              |               |                     |
|------------------|--------------|---------------|---------------------|
| * Budget         | * Millennium | * Compulsory  | * Nationality       |
| * Cancel         | * Century    | * Participate | * Qualifications    |
| * Postpone       | * Decade     | * Scan        | * Translate         |
| * Recruit        | * Dwelling   | * Technology  | * Visually impaired |
| * Administration | * Enumerator | * Pilot test  | * Braille           |

# 28th April 2002

The census of population will be held on Sunday, 28<sup>th</sup> April 2002.

Let's investigate the Magic Number 28.



- \* Is 28 an odd or an even number? \_\_\_\_\_
- \* How many digits in the number 28? \_\_\_\_\_
- \* List the factors of 28: \_\_\_\_\_
- \* How many addition facts can you list giving a total of 28?


- \* What month has only 28 days? \_\_\_\_\_
- \* Are there any other months with 28 days? \_\_\_\_\_
- \* What prime number comes before 28? \_\_\_\_\_
- \* What is half of 28? \_\_\_\_\_ Double 28? \_\_\_\_\_ Quarter of 28? \_\_\_\_\_
- \* How many people in the class have birthdays on the 28<sup>th</sup>? \_\_\_\_\_
- \* Let's try a number trick. Write the number 28 on a piece of paper. This is number one.
- \* Reverse the number 28. This is number two.
- \* Now add number one and two together. What is your total? \_\_\_\_\_
- \* Take the number 28 again. Add the digits of 28. What did you get? \_\_\_\_\_
- \* Multiply this answer by 11. The answer was \_\_\_\_\_.
- \* Compare the first and second answer. What do you notice?
- \* Try this with some more two-digit numbers.

# Word Wizard

Let's have some fun with census words!

*Each letter of the alphabet corresponds with a number.*

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

*Can you find the total value of each census word?*

E.g. IRELAND = 9 + 18 + 5 + 12 + 1 + 14 + 4 = 63

Word	Value of each letter	Total
CENSUS:		
APRIL:		
INFORMATION:		
ENUMERATOR:		
POPULATION:		
KNOWLEDGE:		
FUTURE:		

## Enumerator

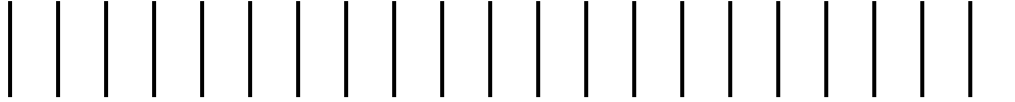
- What is an enumerator?
- What tasks will the census enumerator have to do before / after Census day?
- Look closely at the word enumerator.
- List all the words that you can find within the word enumerator.
- Write down all the vowels in the word enumerator.
- Let's try to sort the letters in this word in a Carroll diagram. Use the number grid to help you.

	Vowel	Consonant
Odd Number		
Even Number		

# Lollipop Logic

*You can use lollipop sticks for all kinds of puzzles, tricks and games.  
Start collecting some now – not only are you recycling and helping our  
environment, but you can also have lots of fun!*

Set out 22 lollipop sticks as follows:



**This sounds impossible but it can be done!**

Take the above 22 lollipop sticks. Without removing any, can you sort them out so they make the number 2002.

For your next challenge, take 10 lollipop sticks and turn them into 2002.

A clue lies in this anagram:

NROMA MELANUR

And there's more!

Set out 12 sticks and make the number 28 – the census date!

Try using 9 sticks to make 28 also.

Now it's time to be creative!

Let's see if you can make some words using lollipop sticks.

Firstly estimate how many sticks you will need, make the word and check if you were right.

Try the first two and then add some more of your own 'census' words

Word	Estimated number of sticks	Number of sticks used
Census		
April		

# Brain Drain

## Old Folk

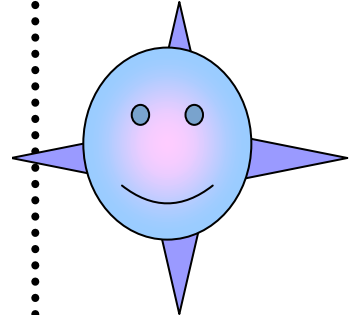
Nellie Kelly was always playing silly tricks on her dear friend Minnie Mannion. One day, Nellie dressed up as a census enumerator, got a clipboard and some paper and went to ask Minnie a few questions.

Minnie, however, was a very crafty lady and she spotted Nellie coming. She decided to play along with the trick. She opened the door to Nellie and agreed to answer her questions.

When asked how old she was, Minnie replied "my age this year is a multiple of 9. Next year it will be a multiple of 5. I am older than 40 and am not yet 70. Can you say how old I am?"

Nellie turned and left. As she closed the garden gate, Minnie shouted "I'll meet you as usual at the bridge club". They burst out laughing.

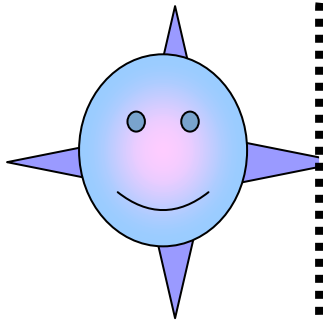
*Can you say how old Nellie is?*



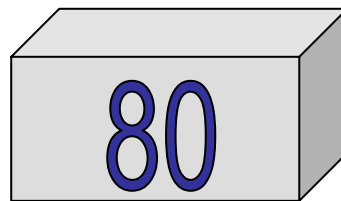
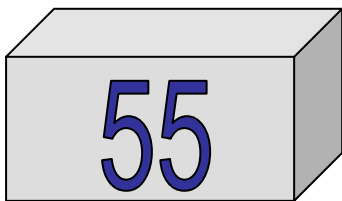
## House Numbers

Enya the enumerator drove into Willow Place to deliver the census forms. She was horrified to discover that there were no house numbers on the houses. As she wanted to keep a record of the form serial numbers she delivered to each house, she knew she had to do something. She decided to paint the numbers on the houses.

*If there were one hundred houses in the estate, how many times did Enya have to type the number 9?*



## Prove it!



Enya returned and posted her census forms into different boxes in the census office. The total of the serial numbers on the forms was written on the each box. Which numbers go in each box?

5	3	9	3	16	7	8
5	24	30	1	22	2	

