

TEACHERS'TOOLKIT

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HOMEWORKWEEKLY: MIDDLE PRIMARY 0041

Name _____ Class _____

Internet is always changing.

Every few years, the internet — and, by extension, the web — gets bigger and better. Or does it?

We are sharing and learning more and more content online or via a variety of other means, including via phones (and texting). More and more people are also linking with other people through social networks such as Facebook and Twitter.

Today we are sharing links, text messages, photos and video streams.

It wasn't that long ago when little was known about the internet as we know it today. It was only forty years ago when on 2 September 1969, two computers at the University of California, Los Angeles, exchanged meaningless data in the first test of a network. This exchange would plant the seed for what would become the most advanced communications network in all of human history: the internet.

The internet didn't become widely used until the '90s. This happened after a British physicist, Tim Berners-Lee, invented the Web that would create the links between resources across different and varied locations.

And it was an Australian man Dr John O'Sullivan, a CSIRO researcher from Sydney, who discovered a technology integral to wireless internet. This week, he was honoured for his achievements by receiving this year's Prime Minister's Prize for Science - a \$300,000 award. Dr O'Sullivan plans to donate some of his prize to an endowment fund to support research.

Dr O'Sullivan's invention, now used by almost a billion people a day, allows information to be sent over many different frequencies without the sender or receiver being connected by wires. Wireless networking!

What might be the next change in how we communicate?



[Search **MacquarieNet** for *internet* to find other articles related to this week's topic.]

Spelling

Mark any words that you are unsure about in the news article above and add them to your weekly personal word list. Write out your list of spelling words each day this week to help you learn them. Have a friend test you on your words on Friday. Colour in each box as you complete the task.

Monday Tuesday Wednesday Thursday Friday

After Reading

1. When did the first two computers exchange information? _____
2. List some of the things we share over the internet? _____

3. Where did Dr John O'Sullivan work? _____
4. What is wireless networking? _____
5. List some of the ways the internet helps you? _____

Word study 1

At the fruit and vegetable shop.

Complete the table with a fruit or vegetable for letter of the alphabet.

A is for	J is for	S is for
B is for	K is for	T is for
C is for	L is for	U is for
D is for	M is for	V is for
E is for	N is for	W is for
F is for	O is for	X is for
G is for	P is for	Y is for
H is for	Q is for	Z is for
I is for	R is for	

Word study 2.

Compound words

Take a word from the box and join it to list words. *There is one word short in the box, so you have to find a suitable word to join.*

<i>cup</i>	<i>light</i>	<i>nail</i>	<i>path</i>
<i>weed</i>	<i>man</i>	<i>pond</i>	<i>boy</i>
fish		milk	
egg		cow	
rail		day	
foot		sea	
toe			

Maths

Headwork

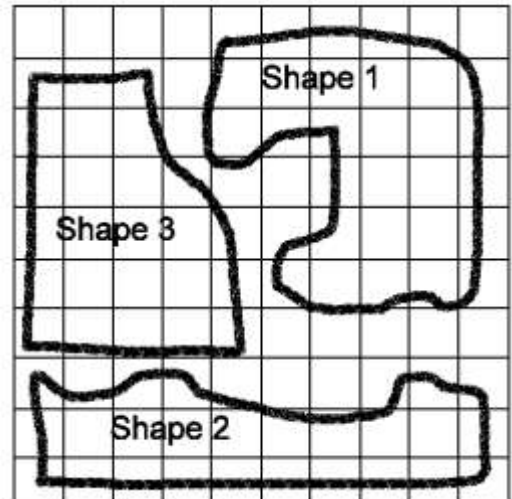
1. What is $\frac{1}{2}$ of 6? _____
2. What is $\frac{1}{4}$ of 12? _____
3. Write 0.6 as a fraction _____
4. What is the Roman numeral for 2? _____
5. Finish this number line: 27, 30, 33, _____
6. Finish this number line: 84, 80, 76, _____
7. $13 \times 3 =$ _____
8. What are the factors of 10? _____
9. What are the factors of 12? _____
10. $225\text{cm} = ?$ metres _____
11. Estimate the length of your bedroom _____
12. Now find out the actual length of your bedroom _____
13. How many minutes from 10:11 to 10:30? _____
14. $56 \div 8 =$ _____

Area

Work out the area of these shapes by counting the squares. Count any square if more than half of it is covered.

Shape 1 = _____ Shape 2 = _____

Shape 3 = _____



Research: Track & Field

Athletics are sporting activities. They include throwing, running, jumping and walking events. A person who takes part in athletics is called an 'athlete'.

Mark the major skill/s used in each event with a tick. (Some may require 2 skills.)

	walking	jumping	throwing	running
discus				
sprint				
high jump				
pole vault				
hammer throw				
shot-put				
javelin				
hurdles				
steeplechase				
long jump				
the walk				



Have you competed in any of these events? Use a highlighter pen to mark the ones you have tried. Which is your favourite? Put an asterisk beside this one.

Answers

After Reading

1. 2 September 1969 at the University of California.
2. links, text messages, photos, video streams, etc
3. CSIRO researcher from Sydney
4. Information can be sent between computers (or other) without the sender or receiver being connected with wires.
5. Answers will vary. Discuss/debate in school.

Word Study

Word Study 1 At the fruit and vegetable shop.

Answers will vary. Discuss in class.

Word Study 2

fishpond	milkman
eggcup	cow
railway	daylight
footpath	seaweed
toenail	

Maths

Headwork

1.	3	6.	72	11.	estimate
2.	3	7.	39	12.	actual
3.	$\frac{6}{10}$ or $\frac{3}{5}$	8.	1, 10, 2, 5	13.	19 minutes
4.	II	9.	1, 12, 2, 6, 3, 4	14.	7
5.	36	10.	2.25m		

Problems 1 = 21 squares; 2 = 20 squares; 3 = 22 squares. Answers may differ slightly.

Research

	walking	jumping	throwing	running
discus			x	
sprint				x
high jump		x		
pole vault		x		
hammer throw			x	
shot-put			x	
javelin			x	
hurdles		(x)		x
steeplechase		(x)		x
long jump		x		(x)
The walk	x			