BASIC words

amicro you should check these commands in your manual all computers and these words have a small star beside them. If you have of what they mean. Some of the words, such as CLS, are not standard on Here is a list of the BASIC words used in this book, with short explanations

- others it erases the whole program from the computer's memory and you should use ESCAPE, or some other word instead
- DATA vanables. See READ
- E.g. DIM A\$(5,4) means the variable needs five rows of four columns Tells the computer how many memory spaces it should set aside for a variable.
- EDIT Allows you to alter a line in a program without typing in the whole line again.
- instructions inside the loop a fixed number of times
- a subroutine to carry out a special task
- F HEN Compares pieces of data (e.g. numbers or words or the contents of
- A way of getting the computer to ask you for data while the program is running.
- Converts a number with a decimal point to a whole number by ignoring all the
- eft-hand side of a string. E.g. LEFT\$(A\$,4) means take four characters from the left of A\$

On some computers this stops the program running. Be careful, though, on

- Clears the screen
- A list of items, e.g. words or numbers, to be stored by the computer in
- an END statement, others, such as the BBC micro and Sinclair computers, do not need
- NEXT Makes the computer loop back through the program and repeat any
- 80SUB Makes the computer leave the main part of the program and go to a part called
- Tells the computer to go to another line in the program.
- variables) and does different things depending on the results.
- figures to the right of the decimal point, E.g. INT(3.40) = 3.

- Tells the computer to do something with a number of characters from the
- Gives the length of a string, i.e. the number of characters in a variable

N=4 or LET B\$="CATS" Puts a variable label on a memory space and puts some information in it. E.g. LET

- Displays the program listing on the screen
- MIDS E.g. MID\$(A\$,4,3) means take three letters starting from the fourth letter of A\$ Wipes the program from the computer's memory to clear it for the next Tells the computer to do something with characters from the middle of a string
- IN NEWLINE KEY program. Tells the computer that you have finished typing in a program line or
- NEXT piece of input. Some computers have keys marked RETURN or ENTER See FOR
- with co-ordinates X along and Y up. Tells the computer to light up a pixel. E.g. PLOT (X,Y) means light up the pixel
- PRINT Tells the computer to display something on the screen.
- READ variable. See DATA Tells the computer to read the information in a DATA line and store it in a
- REM READY listing. They are useful to remind you what different parts of the program do The computer ignores lines starting with REM but displays them in the program Some computers say this when they are ready to be given another instruction
- after the one where it left. See GOSUB RETURN At the end of a subroutine, tells the computer to go back to the instruction
- E.g. RIGHT\$(A\$,4) means take the four characters from the right of A\$. RIGHT\$ Tells the computer to do something with the right-hand characters in a string
- B Picks a random number
- R Tells the computer to carry out a program
- ర్ల Tells the computer to find the square root of a number.
- STEP Used with FOR . . . NEXT loops. Tells the computer when to repeat the loop
- STOP Used within a program to tell the computer to stop running the program
- Ę See IF
- # UNPLOT Tells the computer to switch off a pixel

Computer words

- A set of variables containing several pieces of data
- A mistake in a program.
- does all the work, e.g. comparing variables, adding, etc. The central processing unit of the computer which controls all the operations and
- lows where the next character will be printed A small, sometimes flashing light, square or other shape on the screen which
- in aid to writing programs. A chart showing the main operations needed in a program. Often used as
- Mobytes (K) Ways of producing information visually on the screen
- A unit of measurement for the memory of a computer. One kilobyte is
- 1024 bytes and in most micros each character takes up one byte. A question mark or other symbol which appears on the screen when the

Syntax error

repeated several times during the running of the program.

A mistake in the BASIC in the program.

A labelled memory space which contains a piece of information

computer asks for information after an INPUT statement.

Subroutine computer how to operate is stored by the manufacturers. and data are stored. All the information in RAM is automatically erased when the computer is switched off. on the screen to make pictures. particular task. Read Only Memory. Permanent memory where information telling the Random Access Memory. The memory inside the computer where the program A series of characters for storing in a variable, e.g. "SAUSAGES" or "ABC123" Short for picture elements. The small squares which the computer can light up A numbered list of instructions telling the computer how to carry out a A section of the program for carrying out a particular task which is usually