

Snap (Model A)

This is a program which puts your micro's graphics capabilities to good use. It's an educational exercise for the very young, designed to test their powers of observation. The computer generates a series of picture cards at the bottom of the screen - a bus, a train, a ship and so on - and then randomly reproduces selected cards at the top of the screen, and it's up to the players to match up the top picture with the letter representing the appropriate picture at the bottom of the screen.

```

1  REM *** BBC VERSION ***
2  REM *** PICTURE SNAP ***
10  TB=10000:Q$="ZXCVBNM":P=0:R=0:T=0
20  DIMA(7,72)
30  GOTO360
40  MODE4:VDU19,1,6;0;28,4,27,35,4:COLOUR12
9:COLOUR0:PRINT"Time :TAB(15,1)"Correct out
of:"TAB(30,1);P
50  PRINTTAB(3,18)"Z"TAB(7,18)"X"TAB(11,18)
"C"TAB(15,18)"V"TAB(19,18)"B"TAB(23,18)"N"TAB
(27,18)"M":COLOUR1:COLOUR128
60  FORK=1TO7:FORL=0TO7:FORM=1TO9
70      ?(&C00+M*8+L-8)=A(K,L*9+M)
80      NEXTM,L
90      Y=K*4-2
100     PRINTTAB(Y,14)CHR$224;CHR$225;CHR$2
26;TAB(Y,15)CHR$227;CHR$228;CHR$229;TAB(Y,16)
CHR$230;CHR$231;CHR$232
110     SOUND1,-15,K*20,4
120     NEXTK
130     PRINTTAB(21,4)"          "TAB(14,6)"    "
TAB(14,7)"          "TAB(14,8)"          "
140     PRINTTAB(0,20)"Press the correct lett
er as soonas you recognise the new picture."
150     N=RND(7)
160     FORL=0TO7:FORM=1TO9: ?(&C00+M*8+L-8)=A
(N,L*9+M):NEXTM,L
170     FORC=1TO2000+RND(2000):NEXT: *FX15
180     PRINTTAB(14,6)CHR$224;CHR$225;CHR$2
26;TAB(14,7)CHR$227;CHR$228;CHR$229;TAB(14,8)
CHR$230;CHR$231;CHR$232

```

84 Snap

```
190      TA=0:SOUND1,-15,50,2
200      A$=INKEY$(1):IFA$="" T=T+1:PRINTTAB
(6,1);T:GOTO220
210      SOUND1,-15,ASC(A$),3:GOTO240
220      TA=TA+1:IFTA=200 GOTO250
230      GOTO200
240      IFA$=MID$(Q$,N,1) R=R+1:PRINTTAB(13
,1);R:PRINTTAB(21,4)"Correct":GOTO260
250      PRINTTAB(21,4)"Wrong"
260      P=P+1:PRINTTAB(30,1);P
270      IFP=10 GOTO290
280      FORX=1TO2000:NEXT:GOTO130
290      IFTB>T TB=T
300      PRINTTAB(0,10)"You have ";R;" corre
ct out of 10 in"TAB(0,11)"Time ";T;" Best so
far ";TB
310      REPEAT:PRINTTAB(0,12)"Press <RETURN
> for next game.":FORI=0TO1000:NEXT:PRINTTAB(
0,12)STRING$(30," ") :UNTILINKEY(10)=13
320      R=0:T=0:P=0
330      PRINTTAB(0,10)"

340      PRINTTAB(6,1)"          "TAB(30,1)"
"
350      GOTO130
360      MODE7:PRINT'CHR$141;CHR$&81;CHR$157
;CHR$&86"          Hi-Res Picture Snap          "C
HR$156'CHR$141;CHR$&81;CHR$157;CHR$&86"
Hi-Res Picture Snap          "CHR$156
370      PRINT'''" This program allocates se
veral high          resolution pictures to the 'Z'
-'M'          keys."'" After a short delay,one p
icture is          displayed at the centre of the
screen. You must quickly press the correct
key to score."
380      FORX=1TO7:FORY=1TO72:READA(X,Y):NEX
TY,X
390      GOTO40
400      -----SHIP-----
410      DATA0,0,0,0,0,8,15,255,224,0,0,0,
3,128,8,0,0,0,0,0,3,128,8,0,0,0,0,0,15,25
5,8,0,0,0,0,0,15,255,8,0,0,0,0,0,63,255,2
52,0,0,0,0,0,8,63,255,248,0,0,0,0,0,8,31,255,
240,0,0,0
```

```

420      -----HELICOPTER-----
430      DATA0,0,0,0,7,128,0,255,252,0,0,0
,0,12,192,0,0,0,0,0,96,24,96,0,0,0,0,0,12
7,240,112,0,0,0,0,0,111,255,224,0,0,0,0,127
,240,3,255,192,0,0,0,0,2,0,0,127,128,0,0,0,0,
2,0,0,6,4,0,0,0
440      -----BUS-----
450      DATA0,0,0,0,0,0,60,1,224,0,0,0,63
,255,252,24,0,192,0,0,0,36,16,84,0,0,0,0,0,
36,16,84,0,0,0,0,0,36,16,84,0,0,0,0,0,63,
255,214,0,0,0,0,0,63,255,214,0,0,0,0,0,12
7,255,214,0,0,0
460      ----RAILWAY ENGINE----
470      DATA0,0,0,12,3,128,7,131,192,0,0,
0,12,195,128,3,1,128,0,0,0,31,255,128,0,0,0,0
,0,0,31,255,240,0,0,0,0,0,31,255,240,0,0,0,
0,3,240,31,255,240,0,0,0,2,128,15,255,240,0
,0,0,12,2,128,31,255,240,0,0,0
480      -----CAR-----
490      DATA0,0,0,0,127,0,12,0,24,0,0,0,0
,132,128,0,0,0,0,0,1,4,64,0,0,0,0,0,2,4,3
2,0,0,0,0,0,0,127,255,255,0,0,0,0,0,63,255,
255,0,0,0,0,0,127,255,254,0,0,0,0,0,30,0,
60,0,0,0
500      -----TANK-----
510      DATA0,0,0,64,3,0,51,51,48,0,0,0,6
4,255,0,63,255,240,0,0,0,65,255,128,12,204,19
2,0,0,0,67,0,255,0,0,0,64,0,0,79,255,192,0,0,
0,64,0,0,255,255,240,0,0,0,64,0,0,255,255,248
,0,0,0,64,0,0,127,255,252,0,0,0
520      -----CLOCK-----
530      DATA0,0,0,9,64,144,8,66,16,0,0,0,
8,32,16,8,24,16,0,0,0,8,16,16,8,0,16,15,255,2
40,10,15,80,15,255,240,8,0,16,8,0,16,0,0,0,8,
24,16,8,0,16,0,0,0,8,66,16,9,0,144,0,0,0,8,0,
16,8,0,16,0,0,0

```

