

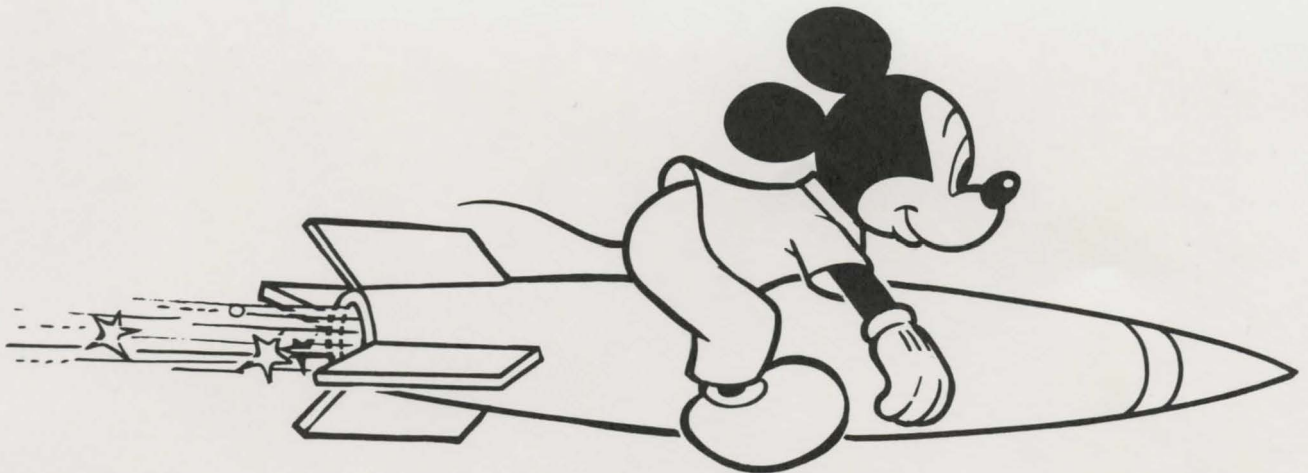
MICKEY'S SPACE ADVENTURE

COMMODORE COMPUTER CHALLENGE ACTIVITY 1

NAME _____ DATE _____

Our solar system is a very large place! Enter this program. Then "travel" to the planets. How long would it take you to get to each planet?

```
10 RANGE=0
20 PRINT:PRINT:PRINT"WHICH PLANET DO YOU WANT TO TRAVEL TO?"
30 INPUT PLANET$
40 IF PL$="MERCURY" THEN RANGE = 46500000
50 IF PL$="VENUS" THEN RANGE = 23250000
60 IF PL$="MARS" THEN RANGE = 46530000
70 IF PL$="JUPITER" THEN RANGE =372000000
80 IF PL$="SATURN" THEN RANGE = 837000000
90 IF PL$="URANUS" THEN RANGE = 1674000000
100 IF PL$="NEPTUNE" THEN RANGE = 2697000000
110 IF PL$="PLUTO" THEN RANGE = 2627250000
120 IF RANGE=0 THEN 10
130 PRINT:PRINT"HOW FAST DO YOU WANT TO TRAVEL?"
140 PRINT:INPUT" (IN MILES PER HOUR) ->";MPH
150 T=INT(RANGE/MPH)
155 IF T>72 THEN T$=" DAYS":T=INT(T/24):GOTO 170
160 T$=" HOURS"
170 PRINT:PRINT"AT A SPEED OF ";MPH;" MILES AN HOUR, IT"
180 PRINT:PRINT"WOULD TAKE YOU MORE THAN ";T;T$
190 PRINT:PRINT"TO REACH ";PL$;".":GOTO 10
```



MICKEY'S SPACE ADVENTURE

COMMODORE COMPUTER CHALLENGE ACTIVITY 2

NAME _____ DATE _____

Because the force of gravity varies on each planet in our solar system, your weight would be different on each planet. Enter this program. You will see how much you would weigh on each planet.

```
10 WEIGHT=0
20 PRINT " WHICH PLANET DO YOU WANT TO WEIGH":PRINT"YOURSELF ON?"
30 INPUT PL$
40 IF PL$="MERCURY" THEN WEIGHT=.37
50 IF PL$="VENUS" THEN WEIGHT=.89
60 IF PL$="MARS" THEN WEIGHT=.38
70 IF PL$="JUPITER" THEN WEIGHT=2.65
80 IF PL$="SATURN" THEN WEIGHT=1.14
90 IF PL$="URANUS" THEN WEIGHT=.96
100 IF PL$="NEPTUNE" THEN WEIGHT=1.53
110 IF PL$="PLUTO" THEN WEIGHT=.12
120 IF WEIGHT=0 THEN 10
130 PRINT "HOW MUCH DO YOU WEIGH?"
140 INPUT" (IN POUNDS) ->";LBS
150 WEIGHT = INT(WEIGHT*LBS)
160 PRINT"ON THE PLANET ";PL$;" YOU WOULD"
170 PRINT "WEIGH ABOUT ";WEIGHT;" POUNDS.":GOTO 10
```



MICKEY'S SPACE ADVENTURE

COMMODORE COMPUTER CHALLENGE ACTIVITY 3

NAME _____ DATE _____

Do you know all the compass directions? Enter this program. After playing for a while, you will be an expert!

```
10 PRINT"":S=102:X=19:C=2
20 DIR=INT(RND(1)*9):IF DIR<1 THEN 20
30 ON DIR GOSUB 80,90,100,110,120,130,140,150
40 PRINT"WHAT DIRECTION IS THE COMPASS POINTING?"
50 INPUT D$:IF D$=A$ THEN PRINT"THAT'S RIGHT!!":GO TO 70
60 PRINT"WRONG, THE COMPASS IS POINTING ";A$
70 PRINT "PRESS RETURN...":INPUT G$:GOTO 10
80 FOR Y=14 TO 8 STEP-1:GOSUB 200:NEXT:Y=7:S=81:C=1
85 GOSUB 200:A$="NORTH":RETURN
90 FOR X=19 TO 25:Y=14:GOSUB 200:NEXT:X=26:S=81:C=1
95 GOSUB 200:A$="EAST":RETURN
100 FOR Y=14 TO 20:GOSUB 200:NEXT:Y=21:S=81:C=1
105 GOSUB 200:A$="SOUTH":RETURN
110 FOR X=19 TO 12 STEP-1:Y=14:GOSUB 200:NEXT:X=11:S=81:C=1
115 GOSUB 200:A$="WEST":RETURN
120 FOR Y=14 TO 8 STEP-1:X=X+1:GOSUB 200:NEXT:Y=7:X=X+1:S=81:C=1
125 GOSUB 200:A$="NORTHEAST":RETURN
130 FOR Y=14 TO 20:X=X+1:GOSUB 200:NEXT:Y=21:X=X+1:S=81:C=1
135 GOSUB 200:A$="SOUTHEAST":RETURN
140 FOR Y=14 TO 20:X=X-1:GOSUB 200:NEXT:Y=21:S=81:C=1:X=X-1
145 GOSUB 200:A$="SOUTHWEST":RETURN
150 FOR Y=14 TO 8 STEP-1:X=X-1:GOSUB 200:NEXT:Y=7:X=X-1:S=81:C=1
155 GOSUB 200:A$="NORTHWEST":RETURN
200 POKE 55296+X+40*Y,C:POKE 1024+X+40*Y,S:RETURN
```

