ALPHABET for KIDS

Features

- Coloured images in the terminal in the form of ascii art
- A single press of keys to display words and images
- Guessing a <u>random</u> missing letter from any word
- A total of 52 words and ascii images
- A simple menu system
- Intuitive usage / interaction

A is for Apple

T is for Tree

Two modes of learning

1. Sight Words

2. Guess the missing letter

Guess the missing letter! (or Press 3 to

F is for _ish

W is for Whale

This part of the program randomly chooses one of the two categories from the words hash.

```
25      #Random number to choose either category
26      category = rand(1..2)
27      if category == 1
28        category = :animal
29      elsif category == 2
30        category = :object
31      end
```

```
6  ∨ $words_hash =
7      'A' => {animal: 'Ant', object: 'Apple'},
8      'B' => {animal: 'Bird', object: 'Bus'},
9      'C' => {animal:         object: 'Castle'},
10     'D' => {animal: 'Dog          'Drums'},
11     'E' => {animal: 'Elephant      : 'Earmuffs'},
12     'F' => {animal: 'Fish', object        s'},
13     'G' => {animal: 'Goat', object: 'Gu
14     'H' => {animal: 'Horse', object: 'Helicop
15     'I' => {animal: 'Impala', object: 'Igloo'},
16     'J' => {animal: 'Jellyfish', object: 'Jeep'},
17     'K' => {animal: 'Kangaroo', object: 'Key'},
18     'L' => {animal: 'Lion', object: 'Ladder'},
19     'M' => {animal: 'Mouse', object: 'Moon'},
20     'N' => {animal: 'Numbat', object: 'Nest'},
21     'O' => {animal: 'Octopus', object: 'Orange'},
22     'P' => {animal: 'Pig', object: 'Planet'},
23     'Q' => {animal: 'Quail', object: 'Queen'},
24     'R' => {animal: 'Rabbit', object: 'Ring'},
25     'S' => {animal: 'Snake', object: 'Scissors'},
26     'T' => {animal: 'Turtle', object: 'Tree'},
27     'U' => {animal: 'Urchin', object: 'Umbrella'},
28     'V' => {animal: 'Vulture', object: 'Violin'},
29     'W' => {animal: 'Whale', object: 'Watch'},
30     'X' => {animal: 'Xerus', object: 'X-ray'},
31     'Y' => {animal: 'Yak', object: 'Yoyo'},
32     'Z' => {animal: 'Zebra', object: 'Zip'}
33   }
```

To left you can see the hash using letters pressed to act as keys into a nested hash containing the two categories of alphabetical words.

The program is essentially separated into .rb files. Ascii art in one and most of the program logic in the other. Here you can see the ascii string held within the apple method.