V7 Monthly Calendar Cube Design

Note that this is an *unfinished* work that should be considered only as a *preliminary demo* of what can be done when using a **V7** as a calendar cube.
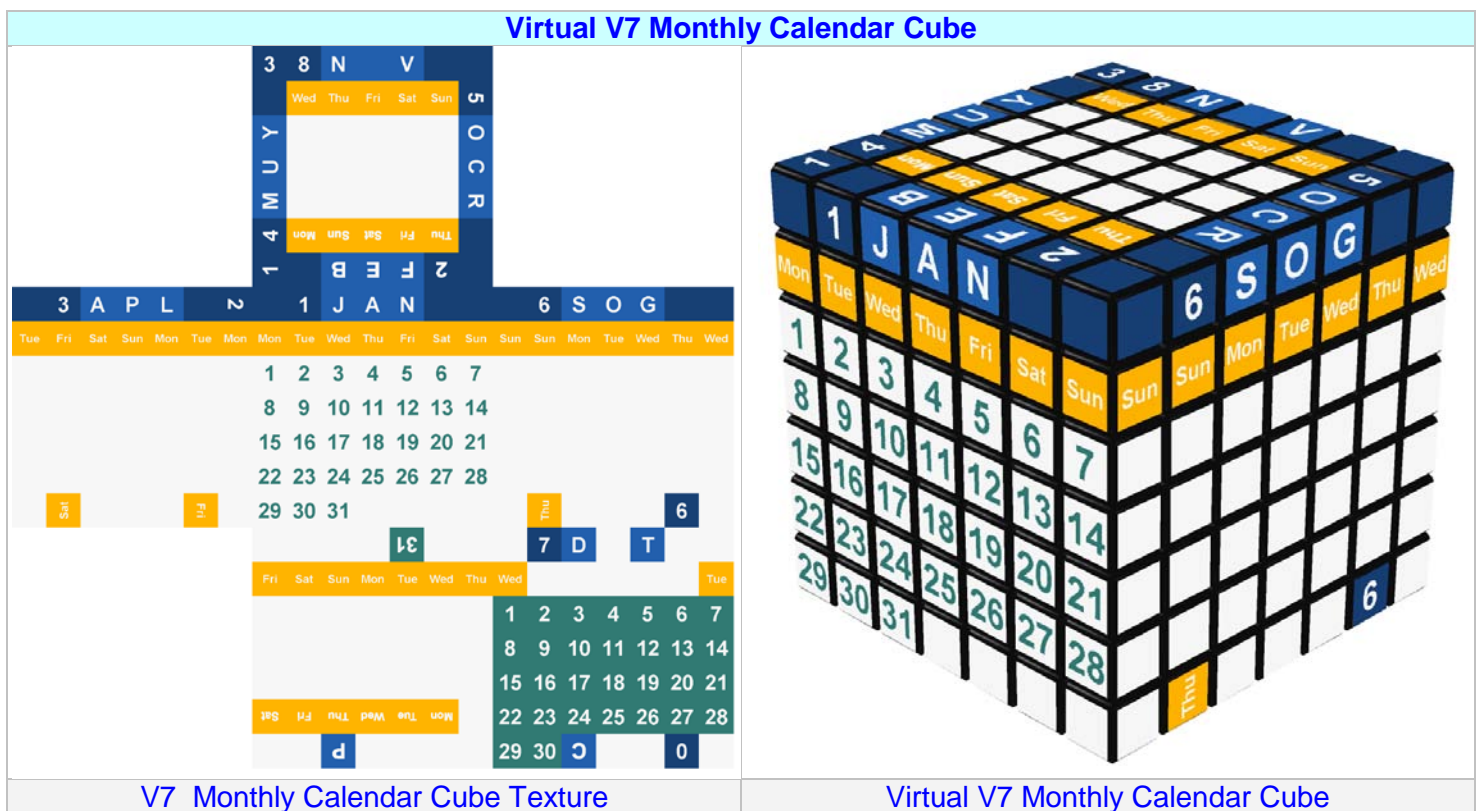
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WebSites	http://www.mementoslangues.fr/	http://www.randelshofer.ch/

Introduction

A **V7 Monthly Calendar Cube** is a **V7** (7x7x7) cube used as a monthly calendar. There are **Virtual Cubes** that can be *virtually* rotated and twisted on a computer screen and **Real Cubes** that can only be *physically* rotated and twisted by hand. A **Texture** is laid down on a Virtual Cube whereas real **Stickers** are stuck down on a Real Cube. A **V7** Monthly Calendar Cube is designed by placing letters, numerals and words on a texture which is then laid down on a Virtual Cube (see http://www.randelshofer.ch/). Verdes Innovations S. A. currently produces *real* **V6** (6x6x6) and **V7** (7x7x7) cubes whereas *virtual* **V6** and **V7** cubes can be played with using CubeTwister.

The date of the day and a monthly calendar can be both displayed on a *selected* Cube Face by rotating and twisting some parts of the Cube. When this has been achieved, we say that the Cube has been *solved*. The following example shows the *initial* state of the Cube (Monday, January 01).

Virtual V7 Monthly Calendar Cube

V7 Monthly Calendar Cube Texture	Virtual V7 Monthly Calendar Cube

V7 Monthly Calendar Cube Features

1- Days and Months are displayed on Layer 1 (Top Layer)
2- Weekdays are displayed on Layer 2 on a "Ribbon"
3- A monthly calendar is displayed on Layers 3 to 7

Unlike usual monthly calendars, the cube monthly calendar doesn't move on the Front Face, but weekdays do move in a cyclic way on the Ribbon. So, there will always be a set of weekdays on the Ribbon which indicates the right date. Moreover by moving one or more "highlighted" numbers from the Back to the Front Face, we could mean that there is something "special" to do at these dates (meeting, appointment, phone call, etc.)

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Cube Layout

In this design, days and weekdays are displayed on Layer 1, weekdays on Layer 2 and days of the month on Layers 3 to 7.

Displayed months are abbreviated English months: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC. This gives 8 letters on the left (J, F, M, A, S, O, N, D), 6 center letters (A, E, P, U, C, O) and 10 letters on the right (N, B, R, Y, L, G, P, T, V, C).

Left-hand letters and right-hand letters are on same cubies. They have to be carefully selected because some are *mutually exclusive*. For example left-hand letter 'F' cannot be used with right-hand letter 'B' on a same cubie because 'FEB' could not be displayed in this case.