Using *Mathematica*-Anki

1   Symbol meanings

Just in case you haven't seen those:
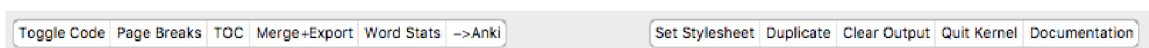
$$\verb|^|\qquad \mathcal{H}\qquad \Uparrow\quad \verb|\|\quad \longrightarrow$$

control   command   shift   alt   tab

2   Setting Science Stylesheet

It's done by using this menu:
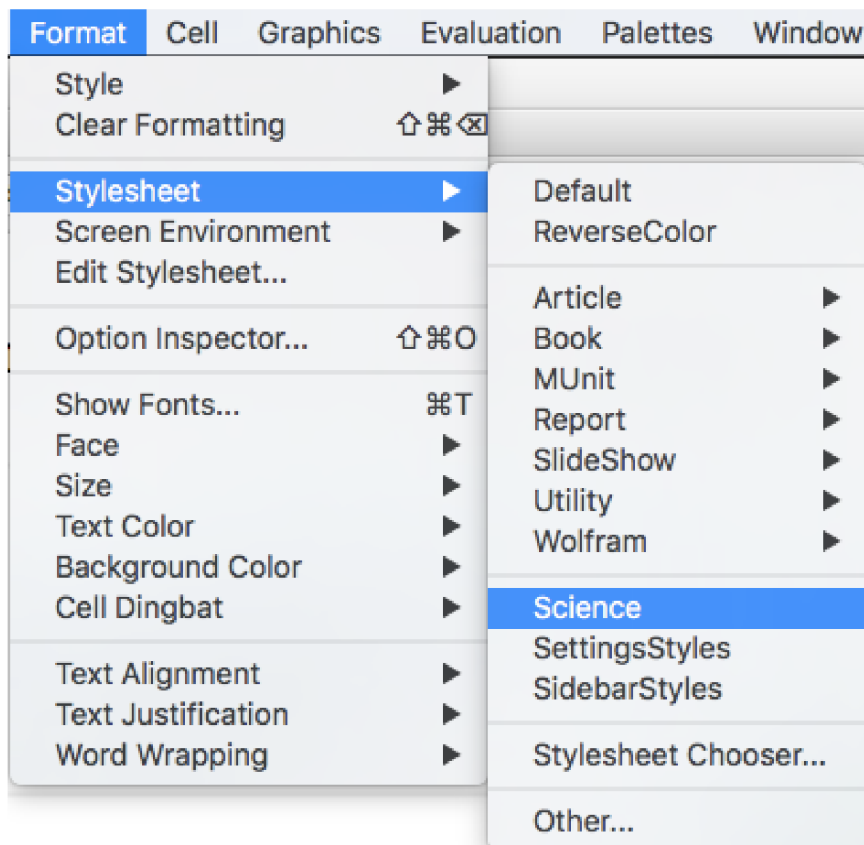
A style will be asigned to the current notebook and a toolbar will apear.


3   Saving your notes inside Knowledge folder

It's always recommended to organise your notes into folders and have backup in case of disk emergency. By keeping your folders neatly organised the system can use this structure to create the same structure inside Anki.

That's why we keep our notes on dropbox in a root folder called Knowledge.

When you learn a new topic simply create a new folder (**without spaces!**) inside the Knowledge folder describing the field. Try to keep things tidy.

Here's an example (notice lack of spaces):
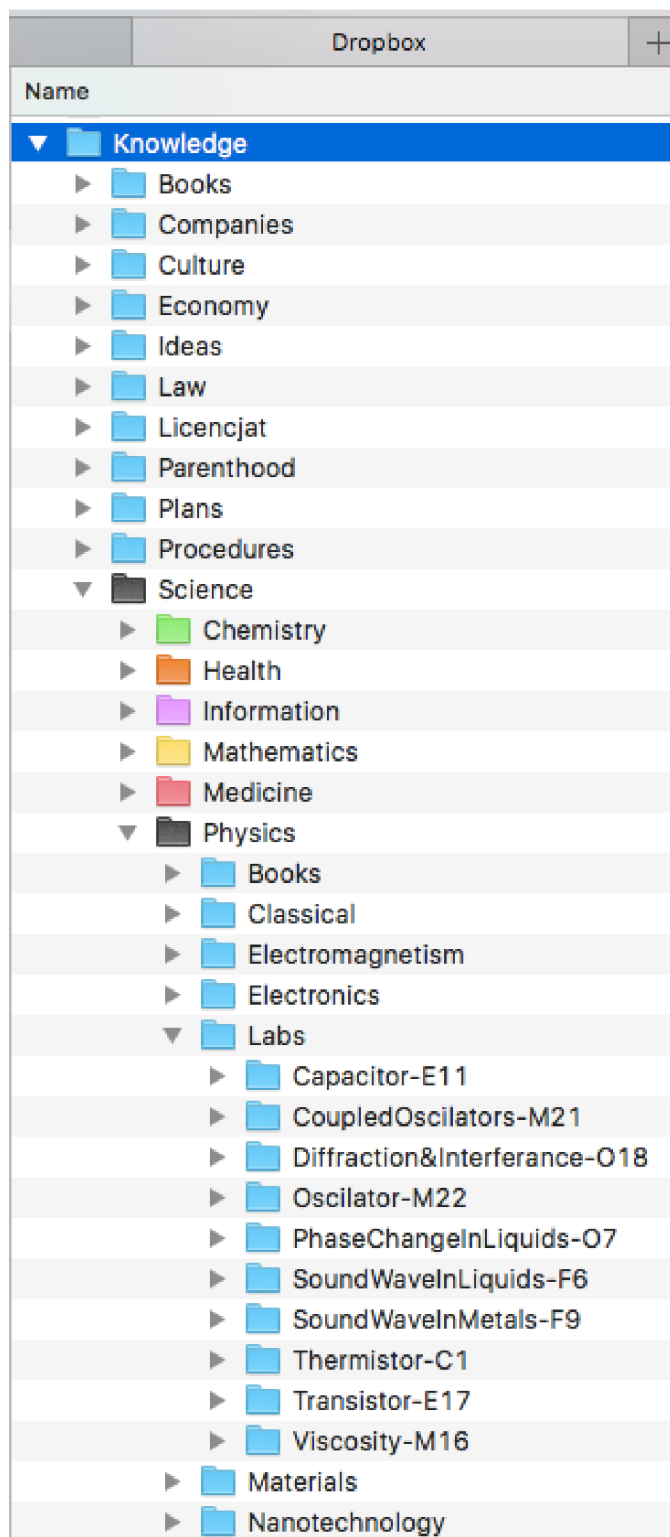
Each folder can contain one or more notebooks from which notes can be exported. Folders can also contain

other files (such as pdfs etc.)

4   Editing notes

4.1   General

Notice that notes in *Mathematica* are constructed out of **cells**, each cell has a **cell bracket** that looks like this:
].

Cells can be **grouped** by cell brackets – this happens automatically when using different **styles**.

4.2   Navigation

To move between notes use keyboard arrows ($\rightarrow$, $\leftarrow$, $\uparrow$, $\downarrow$).

To move between words use the keyboard arrows ($\rightarrow$, $\leftarrow$) with alt button ($\sim$).

To move between lines use the keyboard arrows ($\rightarrow$, $\leftarrow$) with command button ($\mathcal{H}$).

To **create a cell** of a given style move below or above another cell using keyboard arrows ($\rightarrow$, $\leftarrow$, $\uparrow$, $\downarrow$) until you see a horizontal input carret, which looks like this: ⌊+⌐ ——————. Then enter one of the shortcuts to create a cell, below you'll find table of the most used ones.

4.3   Most used styles

Style	Shortcut	Comment
Title	$\mathcal{H}$ + 0	Each document should start with *a* single title cell
Section	$\mathcal{H}$ + 1	Creates numbered sections
Subsection	$\mathcal{H}$ + 2	Creates numbered subsections
Subsubsection	$\mathcal{H}$ + 3	Creates numbered subsubsections
Subsubsubsection	$\mathcal{H}$ + 4	Creates subsubsubsection (if you really need it)
Text	$\mathcal{H}$ + 7	(Default style) Creates *a* text cell
Bullet Item	$\mathcal{H}$ + "−"	Creates *a* bullet item − good for lists
Numbered Item	$\mathcal{H}$ + "="	Creates *a* numbered item − good for numbered lists

You can indent a Bullet and Numbered Items using the tab button ($\rightarrowtail$). To remove indentation use backspace.

If instead of using a keyboard shortcut you'll **just start writting** you'll create a Text cell (it's the default style)

4.4   Examples

4.4.1   Bullet Items

- Example item

- Example subitem (tabbed)

- Second subitem

- Item

4.5   Editing existing cells

The simplest way to edit a cell is to select it's cell bracket (not group cell bracket, unless you want to change the style of many cells) and press one of the style keyboard shortcuts.

The fastest way is to use the shortcut ⌃ + "." (control + dot) repeatedly to select increasingly larger portions around current point. When the cell bracket becomes highlighted use the keyboard shortcut to change it's style.

5   Using Anki integration

You need to make sure you've took care of few things to make the integration work:

1. Set your notebook stylesheet to Science stylesheet

2. Save your notebook inside Knowledge folder on your dropbox

3. Have a notebook with at least a Title and one Section cell.

When creating organized notes using basic styles (Title, Section, Subsection, Text, etc.) you can highlight a portion of text which you'd like to become an answer to a question within the same cell.

Simply select the desired text and press the shortcut ⌘ + D (you can have **many answers in the same cell**).

Here's an example where the two answers are the specific dates:

World War II, also known as the Second World War was a global war that lasted from 1939 to 1945.

You can undo it using the same command (⌘ + D).

The most common mistake is writting all questions in one cell. Remember: Different questions should be in a different cells.
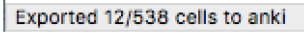
You'll know that a text is in different cell if it has **it's own cell bracket**. Here's an example of two seperate questions done **right** (**notice the cell brackets**) :

Who'll always care for you? Your mum.

Who you can always count on? Your dad.

Here's an example of doing it **wrong**:

Who'll always care for you? **Your mum.**

Who you can always count on? **Your dad.**

After you've highlighted all the answers and finished editing your text you can export your notes using the button →Anki from the toolbar. After successful export you'll see a short summary in the lower left corner of the window Exported 12/538 cells to anki (in status bar). The Messages window can also show up displaying debug information (useful if you experiance problems).

Importatnt note: Always keep Anki app closed when exporting. After the summary message you can open Anki to check the exported questions. Here's an example how it might look like (compare with the folder structure):

Important note 2: Keep your notebooks inside Knowledge folder and it's subfolders, otherwise the integration won't work.