# Mastering Arabic Script a guide to handwriting 

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Contributions and handwriting models
by Professor Mohammed Hamaam
Head of the Academy of Arabic Script, Cairo

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## Contents

| Unit 1 | ب ت ث | 2 |
| :---: | :---: | :---: |
| Unit 2 | ن | 6 |
| Unit 3 |  | 9 |
| extra | Vowel and doubling signs | 14 |
| Unit 4 | 1 | 16 |
| Unit 5 | و j | 20 |
| Unit 6 | j | 24 |
| extra | Long vowels | 28 |
| Unit 7 | $\dot{\text { c }}$ | 30 |
| Unit 8 | \% | 34 |
| Unit 9 | م | 39 |
| extra | Hamza | 42 |
| Unit 10 | س ش | 44 |
| Unit 11 | ص ض | 48 |
| Unit 12 | ¢ | 52 |
| Unit 13 | ف ق | 57 |
| extra | Numbers | 62 |
| Unit 14 | ك | 64 |
| Unit 15 | b | 68 |
| Unit 16 | غ ع | 71 |

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## Introduction

## The history of the Arabic script

The Arabic alphabet and written language has remained remarkably constant since the sixth or seventh century AD, largely due to the unifying factor of the Qur'an. There is no clear documented progression in the development of the script before this time and only a limited number of original preIslamic Arabic texts exist, sometimes as scraps of stone or parchment.

Arabic is a Semitic language related to Aramaic and Hebrew. The language has its roots in the nomadic oral tradition of the desert, which largely explains the lack of early examples of the script.

Although spoken Arabic dialects have diverged in the same way that Romance languages such as Italian and French have diverged from Latin, the Modern Standard Arabic of today's media is close to the language of the Qur'an and Classical literature. The spelling and grammar have not changed significantly over the centuries.

## Different styles of writing

Arabic calligraphy is a highly respected art form with hundreds of different styles. Many of these calligraphic styles are very ornate and intended more for decoration than comprehension. The calligrapher relies on the reader already knowing the text, often a verse from the Qur'an, and can concentrate on making the script as beautiful and balanced as possible.
As far as everyday written Arabic is concerned, there are two significant styles: naskh, the basic script used for most printed material; and ruq'a, the script used for most handwritten material. Although it is possible to typeset ruq'a or handwrite


An example of highly decorative calligraphy showing text from the Qur'an (Professor Mohamed Hamaam, Head of the Academy of Arabic Script, Cairo)
naskh, this does not happen commonly.
Most Arab children will initially learn to read and write naskh in a similar way to English children learning to read and write using infant letters. At about 11 or 12 years old, secondary school students in the Arab world will graduate to writing ruq'a, which is an eagerly anticipated step and a sign of having joined the 'adult' club.

Ruq'a is a more flowing script than naskh and designed for speed and efficiency. Good handwriting is much admired as an
extension of the respect paid to calligraphy. As a learner you will find a mastery of the ruq'a script will help you to be regarded as a serious student of the language, as well as being a more efficient way of handwriting.

This book sets out to compare and contrast naskh and ruq'a and to teach you a fluid and mature ruq'a writing style, using models produced by one of the leading experts on handwriting in the Arab world and providing extensive practice material.

There are obvious similarities between naskh and ruq'a, but there are also some important differences to be mastered when writing ruq'a. For example, ruq'a script largely floats above the line whereas elements of naskh fall below the line. Also, many of the fiddlier and more time-consuming elements of naskh are rationalised in ruq'a for the sake of speed. For example the separate dots above and below the main script are joined together.


A sentence written in both scripts. The naskh version (top) was typeset and the ruq'a version (below) was handwritten by Professor Hamaam. Can you spot the similarities and differences?

## How to use this book

This script book can be beneficial at different stages of the learning process. It can be used by complete beginners who wish to master the ruq'a script simultaneously with the printed naskh, supplementing the early stages of study of the Arabic language, whether in a classroom or home setting. Beginners often find the script quite easy to master in principle but still find it takes a long time to become fluent in reading and writing. This book can help you overcome the script barrier much more quickly.

Alternatively, you may have already studied Arabic and be proficient in reading naskh. But you may not yet have had the opportunity to improve your own writing or to decipher the handwriting of native speakers. This book can take you to the next level by concentrating on making your Arabic handwriting more mature and fluent.

At whatever stage you approach this book, it is best to work your way through the units methodically. There are three main parts to the book. The first part covers how to form and join individual letter shapes; the second covers special combinations of letters; and the third part is an activity section for further practice. Features included are:

- clear explanation and graphics showing how the letter shapes are formed
- numerous practice exercises to help you achieve fluency in writing
- Master calligrapher tips: expert hints on writing in ruq'a from Professor Mohammed Hamaam, head of the Academy of Arabic Script in Cairo. Follow the instructions in this guide and you will have good ruq'a handwriting. Follow Professor Hamaam's tips and you will have even better ruq'a writing!
- 'extra' sections covering features of the Arabic script such as writing vowels and hamza (s)
- photos and illustrations showing the script in context
- Write on!: additional stimulating and useful activities to improve recognition and fluency of writing.


## Basic principles of Arabic script

There are a few basic principles of Arabic script which apply whichever style of writing is used:

- There are 28 letters in the alphabet.
- The script is written right to left.
- There are no capital letters.
- Words are written in cursive, or 'joined up', writing. All letters join to the letter before in a word and all but six join to the letter after also.

Once you have mastered the various forms of each letter shape in both naskh and ruq'a you will find you can write and read Arabic in most everyday contexts.

Finally, make sure you have a good ink pen, drawing pen, gel pen or a soft pencil to write Arabic. The Arabic script usually looks better when written with a thicker nib or tip. Arabic is a flowing script and it is difficult to achieve a good hand with a cheap biro.

## Basic letter shapes

This shape is used for three different Arabic letters. Compare the printed and the handwritten versions:

## Printed form Handwritten form

the letter bā'. The basic shape
with one dot underneath.
Pronounced 'b' as in 'boat'.

| the letter tā'. The basic shape |
| :--- |
| with two dots above. |
| Pronounced ' t ' as in 'tin'. |

For the first few units of Part 1, you will be practising how to write individual Arabic shapes and letters. When you have mastered enough letters, we will introduce complete words to recognise and copy.

Practise forming the letter shape above, first by tracing the shape and then by copying what you see. Pay special attention to where you start the shape.
start


O

A the letter thā'. The basic shape with three dots above. Pronounced 'th' as in 'thanks'.

Notice that in the handwritten form the dots become joined up for speed.

Two dots are joined like this:

Three dots are joined like this:

Practise tracing and copying those shapes by themselves, remembering to move your pen from right to left.

Now practise all three letters. Always complete the main letter shape first and then add any 'dots'.


## Joining up

Arabic is a cursive script: most Arabic letters are written joined up to the other letters in a word. Here is how the letter shape for and at the end of a word:


Notice how in the initial and medial positions, the dots associated with the letter move to the right of the shape, sitting above or under the right-hand curve.

## Master calligrapher tips

The shape of the initial bā', tā' and thā' is one of the most important in Arabic writing. The stroke is fundamental to handwriting and forms the basis of a number of Arabic letter shapes. Pay attention to the starting and finishing positions.

This letter shape can be joined together in different combinations. Compare the printed and handwritten combinations below:

## Printed form Handwritten form

$$
\begin{aligned}
& \text { تـب } \\
& \text { ت ب ب = تـبـ } \\
& \text { ت + ب + ث = تـبثث }
\end{aligned}
$$

Practise copying the shapes without dots and then the combinations of letters. Complete the whole combination from right to left before adding any 'dots', also from right to left.

$\qquad$



This letter shape is used for only one Arabic letter:
Printed form Handwritten form
C the letter nūn. Pronounced ' $n$ ' as

The printed naskh form of nun falls below the line, but the handwritten ruq'a form tends to sit more on the line. The dot above is often joined to the main letter shape in handwriting.

Practise tracing and then copying the shape.


## Joining up

nūn has exactly the same shape as bā' when in the initial or medial position (see Unit 1), except it has one dot above. Beginners can confuse nun and $\mathrm{ba}^{\prime}$. Remember $\underline{\mathrm{b}} \bar{a}^{\prime}$ has the dot below.


Printed form Handwritten form

$$
\begin{aligned}
& \text { نـن + بـث + } \\
& \text { بنت }
\end{aligned}
$$

$$
\begin{aligned}
& \text { بـ }
\end{aligned}
$$

Notice that when joining to a final nun, as in the final example above, you need to start the previous letter higher to end up back on the line. Practise copying the combinations below:


## Master calligrapher tips

You can also write the isolated and final nūn like this:
-
So the combination followed by $\dot{j}$ could also be written:

## ~.



بن من اليمن Dunn min al-yaman (Coffee beans from Yemen)


This letter shape represents the Arabic letter yah':


Like the nun, the printed naskh form of $y \bar{a}^{\prime}$ falls below the line, but the handwritten ruq'a form sits on the line. The two dots below become joined in handwriting as with $\Theta$ (see Unit 1)

Practise tracing and then copying the shape.


## Joining up

$y^{\not{ }^{\prime}}$ is is another letter which has exactly the same shape as (see Unit 1) when in the initial or medial position, except that it has two dots below. In the final position, it looks similar to the isolated letter.
www.uz-translations.net


To summarise, there are five letters which share the same shape in their initial and medial positions, and are only distinguished by the number of dots above or below:


Notice how these combinations are written:

## Printed form Handwritten form

$$
\begin{aligned}
& \text { بيت }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ثيب } \\
& \text { ثـ + بي ب }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ي } \\
& \text { ن ني }
\end{aligned}
$$

## Master calligrapher tips

If you write one of the letters $\dot{\text { u }}$ ب ب before a final $\mathrm{ya}{ }^{\prime \prime}$, the initial shape will become a short downwards stroke, with the final $y \overline{a^{\prime}}$ ending back on the line:

$$
=10
$$

Sometimes a final ya is written without the dots and pronounced ' $a$ ', as in the names منى mona or ليلى layla. In addition, some people don't bother to handwrite the dots on the final yah' even when they should be there!

Practise tracing and copying the combinations below.

$\qquad$
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Notice that the 'dots' over or under the script may move around in handwriting, sometimes ending up to the left of where they should be (see the dots on التين above). This movement happens because the dots are added after the main word has been completed and is comparable to what happens in English handwriting when you might find the cross stroke of a ' $t$ ' has moved to the right.

## Vowel and doubling signs

Most modern Arabic is written without short vowels, in a similar way to the language of mobile text messages ('cn u cm tdy?'). So a word such as بنـت bint (girl) is actually written as bnt and بيت bayt (house) as byt.

It is possible to add signs above and below the main script showing the short vowels, and these are sometimes included for clarity or in material aimed at learners, as well as being a feature of classical and religious texts.

The vowel signs are:
fatha a dash above, pronounced as a short ' $a$ ' after the letter, for example ...
خّ damma a comma-shape above, pronounced as a short ' $u$ ' after the letter, for example ... 'بُ bu

كسرة kasra a dash below, pronounced as a short 'i' after the letter, for example .... bi
There are also two additional signs:
sukūn a small circle above showing that no vowel follows the letter, e.g. بـنْت bint (girl)
ششّة shadda a small 'w' shape above showing that the letter is doubled, e.g. $\ddot{\text {. }}$ بُ bunn (coffee beans)

Don't confuse these signs with the dots above and below letters. The dots are an integral part of the script, distinguishing one letter from another. The vowels and doubling signs are a discretionary feature.

Practise writing the signs, following the direction of the arrow, and making sure you move your pen from right to left. Only kasra (i) is written under the line:


|  |
| :---: |

Now practise tracing and copying these words with the vowel and doubling signs included. Follow these steps:

1. Complete the main shape of the word.
2. Add the letter dots from right to left.
3. Add the vowel and doubling signs from right to left.


Unit 4


The letter alif is the first letter of the Arabic alphabet and one of the simplest to recognise and write: a single downward stroke.


Practise tracing and then copying the shape.

alif does not represent a single consistent sound. It has two functions:

- as a 'carrier' for one of the short vowels ( $\mathrm{a}, \mathrm{u}, \mathrm{i}$ ), usually at the beginning of a word
- to indicate a long ā vowel.


## Joining up

Most Arabic letters join to the letters either side of them in a word. alif is one of six Arabic letters that only join to the letter before (on its right). This effectively means that the alif retains its shape wherever it falls in a word, with just a small joining
stroke if it is joined to the letter before.
medial/final joined to the letter before

$$
1
$$

initial/isolated not joined at all


The letter following an alif (to the left) must be written in the initial form, or in the isolated form if it is the only remaining letter in the word.

An alif at the beginning of a word is usually written with a hamza symbol ( $\varepsilon$ ) over it if the vowel is a or $u$, or under it if the vowel is i:


Complete the whole word before adding the hamza (see extra section pages 42-3 for more details on hamza).

Look carefully at how these words are written:
Printed form Handwritten form
bāb door

Practise tracing and then copying those words containing alif.
ul ul ul ul ul +

of of of of of -

Lh Li Li Li bi.



Practise tracing and then copying the letter shapes.


## Joining up

rā', zāy and wāw are three more letters like alif that only join to the letter before (on the right) in a word.


Remember that after non-joining letters, the following letter in a word must be written in the initial or isolated form, depending on whether it is the final letter in the word. Look at how the Arabic names on the next page are written.

Printed form Handwritten form
zañ

## Master calligrapher tips

Because the shapes of the handwritten $ر$ and 9 sit on the line in ruq'a, you should try to raise the letter before so that you end up back in the right position:

$$
\begin{aligned}
& \text {......... } \\
& \dot{\boldsymbol{j}}
\end{aligned}
$$

Practise copying the names.


Whose peg is whose? How many names can you read?


ل


This letter shape looks similar to $\boldsymbol{\jmath}$ but is rounder. It is used for two Arabic letters.

## Printed form Handwritten form

$--\boldsymbol{-}$


the letter dāl. Pronounced 'd' as in 'den'.
the letter dhāl. The same shape with one dot above. Pronounced 'th' as in 'th' or 'that'.

## Master calligrapher tips

The stroke used to write the handwritten $\lrcorner$ is the same as that used for the initial بـ or $\boldsymbol{-}$, etc.:



## Joining up

dāl and dhāl are the last of the six letters that don't join to the next letter in a word. Here is a summary of all six letters in their isolated form and when joined to the letter before:
final/medial

Practise tracing and then copying the words.
Notice how these combinations are written:

## Printed form Handwritten form

$$
\begin{aligned}
& \text { ب ب ب بـر } \\
& \text { ز } \quad \text { - } \\
& \text { ذبـاب } \\
& \text { j } \\
& \text { يـئن }
\end{aligned}
$$



Step 1: $\square$ ذأ


بريد عادي barīd عādī (Ordinary mail)

## 1) extra

## Long vowels

You have met the short vowel marks on pages $14-15$. These marks are written above and below the main script and are discretionary.

However, if a vowel is long, for example a long ū as in 'boot', this requires an additional letter to be added to the word:
long ā (as in 'father') $\mid$ alif added after the letter: بـ bā long ū (as in 'boot') و وāw added after the letter: بو bū long $\bar{T}$ (as in 'meet') ي yā' added after the letter: بي Look at the handwritten and printed versions of the words below which contain long vowels. Remember:

- I alif and و wāw do not join to the following letter
- s yā̄ has the same shape as in the intial and medial forms, except it has two dots under.

You will also occasionally see a long ā written as a wavy sign (مدّة madda) over an alif: Ĩ, as in آنسة ānisa (young woman).

Printed form Handwritten form


Practise writing the words containing long vowels.


مبروك يا حبيبتي!
mabrūk yā habaībatī!
(Congratulations darling!)


Start this letter shape a little above the line, then loop round clockwise and add the curved tail. The movement is a little like a mirror-image figure of 8 .

Practise tracing and then copying the letter shape.


This shape is used for three Arabic letters. Notice the difference between the printed and handwritten forms:

Printed form Handwritten form
the letter hā'. Pronounced as a
breathy 'h'.

the letter khā'. Pronounced at the back of the throat. Similar to the 'ch' in the Scottish word 'och'.

## Joining up

Joining ḥā', jim and khā' requires practice.


The intial form of the shape is relatively straightforward, but when other letters are handwritten before hasa', jim or khā' they tend to be placed above, so that they end up joining at the top left of the shape. Look at the examples below:

Printed form Handwritten form

$$
\begin{aligned}
& \text { ح - }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ریـ } \\
& \dot{\text { أ }} \dot{\underline{l}}=\dot{c}^{+} \dot{i}
\end{aligned}
$$

In this unit, we'll concentrate on the initial and isolated forms.

The isolated form is used when the letter follows one of the six non-joining letters (see Unit 6 for summary table) and is the last letter in a word, as in $\dot{\tau}^{\prime}$ on page 31.

Part 2 of this book deals with combination shapes and you can practise the medial and final combinations for hāa', jīm and khā' in Unit 17.

## Master calligrapher tips

The initial $\sim$ shape is raised in front of letter shapes that need to finish on the line, including وح (see on page 31), ر and


Practise writing these letter combinations containing initial and isolated ḥā', jīm and khā'.





The letter $\Delta h^{\prime}{ }^{\prime}$ is unusual as it changes its shape more radically than most letters when joined.

First practise tracing and then copying the isolated letter shape, making sure you move your pen clockwise.

The isolated letter looks similar in the printed and handwritten forms:

Printed form Handwritten form

- 0 the letter hā'. Pronounced $h$ as


## Joining up

 in 'hotel'.Pay special attention to the different shapes of $\Delta$ hā' when joined. Although the final form is recognisable, the initial and medial forms look very different.



The medial form of $\Delta$ hā' is also significantly different in ruq'a handwriting from the printed naskh script, where it looks more like a ribbon tied in a bow:

Printed form Handwritten form
initial
A

medial

$$
y
$$

final

$$
-8
$$

Pay special attention to the inital hā'. You need to start the letter at the top left, form a large backwards C-shape, then loop back inside the C-shape before continuing to the left.


Practise tracing and then copying the initial, medial and final forms of $\Delta$ hā':

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## Master calligrapher tips

The final hā' can be also be written like this:


So S followed by $\Delta$ can be written in in either of these two ways:


Look at these words with $\Delta$ hā' $^{\prime}$ in the printed and handwritten forms:
Printed form Handwritten form
نهر

nahr river

Lid
hunā here


Notice how the initial $\dot{j}$ curves round the other way into the shape of the following hā' in the handwritten $-\dot{\boldsymbol{\gamma}}$ (river).

Practise writing those words.


## © tā' marbūta

There is a special feminine ending which looks like $\Delta$ hā' with two dots on top: $\ddot{\mathbf{b}}$. This only ever appears at the end of words and is known as tā' marbūta ('tied $\mathrm{t}^{\prime}$ ). It is pronounced a or at.

The tā' marbūta is handwritten in exactly the same way as a final or isolated $\Delta h^{\bar{a}^{\prime}}$, with the addition of a dash representing the two dots:
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$$
\text { هــــةـة } \text { hadiya present/gift }
$$

zubda butter



Printed form Handwritten form


The letter piom doesn't share its shape with any other letter. Notice how you start the letter shape in the middle, forming a tight circle in a clockwise direction, before continuing to the left and then downwards into the tail.

The handwritten ruq'a mīm sits a little higher than the printed naskh form, although the tail does end below the line.

Practise tracing and then copying the letter shape.

$\qquad$

Look at how mīm is joined, particularly in handwriting.

## Printed form Handwritten form



م mīm can be a tricky letter to spot, becoming 'tucked' under, or sometimes over, the surrounding letters. It takes time to recognise and practise the various combinations. In this unit, we will concentrate on the easier combinations with the initial and isolated $م$ mīm. Unit 19 in Part 2 will show how $م$ mīm is written in combination with specific letters.

Practise writing these combinations starting with mim. Remember to start the initial mīm in the same position as the isolated letter, forming a tight clockwise circle.


Now practise these words ending with an isolated $\hat{\rho}$ mīm:


Masthead from the children's magazine ماجد mājid (Majid - a boy's name)

## Hamza (s)



The Arabic hamza ( $\varsigma$ ) is sometimes described as a 'half-letter'. It represents the short intake of breath that an English speaker would naturally make before a word starting with a vowel (e.g. 'instant', 'egg'). In Arabic script, the hamza is usually written together with an alif when a word starts with a vowel: above the alif if the vowel is a/aa or $u / \bar{u}$ and below if the vowel is $\mathrm{i} / \mathrm{i}$ :

## Printed form Handwritten form

ab father

Try writing the hamza, first by itself and then above and under an alif. Complete the alif first before adding the hamza:
$\qquad$


The hamza ( $\varepsilon$ ) can also appear in the middle of a word representing a short pause, or at the end of a word when it has the effect of cutting off the previous sound. In these cases, the hamza can also be found written on a waw (G), on a ya' without dots ( $\underset{\sim}{\mathrm{s}}$ ), or by itself on the line ( $\varsigma$ ):

Printed form Handwritten form
jarā'id newspapers

Practise these words containing the hamza. Write the whole word first and then add the hamza along with any dots.


Remember to write the ${ }^{\wedge}$ shape representing the three dots over the shin after completing the main letter or word shape.



This letter shape involves three basic movements:
a short upwards stroke
a longer stroke to the left
a final curved tail.
The tail is a similar movement to the final $\dot{j}$ (see Unit 2).
Practise tracing and then copying the letter shape.


This shape is used for two Arabic letters. In their printed naskh forms, these letters start with a backwards w-shape, but this is usually 'smoothed out' in the handwritten form. Notice also how the handwritten tail sits on the line but the printed tail falls below the line.

## Printed form Handwritten form




the letter sing. Pronounced s as in 'same'.
the letter shin. Pronounced sh as in 'shame'.

## Master calligrapher tips

You can write the isolated and final ش ش shīn with a tail the same shape as the alternate $\dot{\cup}$ nun (see Unit 2). In this case you should not also put the 'dots' above the shin:


## Joining up

Like many Arabic letters, sin and shin lose their tails when joined to the next letter. Combined with the smoothing of the w-shape, this effectively turns the medial sin and shīn into a straight line.


Notice the position of the final form, with the tail finishing on the line. The means that the previous letters) should be raised, so the whole combination ends back on the line:


## Master calligrapher tips

The sīn and shīn sometimes retain the w-shape in handwriting especially when placed in front of,$\rightarrow$, and $p$ :


Practise combinations with sin and shīn.



أحذية سيسيل aḥdhīyat sīisil (Cecil shoes).
Notice the two occurrences of the letter س sin: probably written in different styles because two straight lines would look odd.


Practise forming the letter shape, first by tracing the shape and then by yourself. The tail is a similar shape to sin in Unit 10. Pay special attention to where you start the initial loop:


This shape is used for two Arabic letters. Compare the printed form with the handwritten. The handwritten tail sits on the line, while the printed tail falls under the line:

Printed form Handwritten form
the letter ṣād. The basic shape
without any additional dots.
Pronounced as an emphatic ş,
similar to the 's' in the English
'sob' (rather than 'sad').

Practise writing the two letters. Remember to start the loop on the left, in the centre of the letter:

## Joining up

Look closely at how the final ṣād and ḍād are joined to the letter before and after. You should not need to take your pen off the paper. Try tracing the path of the pen below with your finger:


## Master calligrapher tips

You can also write the isolated and final ضād with a tail the same shape as the alternate ن nūn and ش ش shīn (see Units 2 and 10). If you write the ḍād with this alternative tail, you should not also put a dot above the letter:
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Whenever ṣād and ḍād are joined to the following letter, you should be careful to include the small 'dink' (or سنة sinna 'tooth' - as the Arabs call it) after the loop as this is an essential part of the shape.
Printed form
Handwritten form
بيضى


مصر للبترول miṣr lil-betrūl (Egypt Petroleum)

Practise joining șād and ḍād. Remember to finish the whole shape of the word first, and then come back to add any dots.

$\qquad$

$\qquad$


This letter shape represents the Arabic letter lam:

## Printed form Handwritten form

-U. Un letter lām. Pronounced $I$ as in 'less'.

The printed nash form of lam falls below the line, but the handwritten ruq'a form sits on the line.

Practise tracing and then copying the shape.


## Joining up

The lam looks somewhat like a mirror image of the English letter ' 1 ' and is formed in a similar way, but in the reverse direction. As with a joined-up English ' 1 ', you must take your pen to the top of the medial and final lām first, before returning down the same path and continuing to the left.


## Master calligrapher tips

When you join to a final lām, the initial letters) are raised, joining to the middle of the lam, with the final tail of the lam ending back on the line:

$$
\begin{array}{ll}
\text { س }
\end{array}
$$

lam, along with alif, is one of the most common letters of the Arabic alphabet, as together they form the word ..لـ الـ al- (the). الـ. al- is written joined to the word it refers to:

Printed form Handwritten form


[^0]Practise tracing and then copying the combinations with lām.

$\qquad$

$\qquad$

$\qquad$


Practise tracing $\searrow$ and then copying the shape.

$\qquad$
$\qquad$

Look at how the combinations of letters below join together:
Printed form Handwritten form
… $\quad \boldsymbol{W}=1+J+J$
the the $=1+J+\infty$
$-)_{1}$
س
هلابس
م + + + + + ب +

Trace then copy the combinations with lām alif.


Masthead from the Lebanese newpaper الأنوار al-anwār (The Lights)

## Master calligrapher tips

ف is the shape of joined to the head of 9 ف ق is the shape of the $\dot{u}$ joined to the head of the $و$.


Practise tracing and then copying the letter shapes.


## Joining up

When fā' and qāf are joined to the letter before, i.e. in the initial or medial forms, their shape is identical. The only difference is that fá' has one dot and qāf a dash, representing two dots. Pay attention to how the loop is formed in the medial letter.

In the final form, the letters are a similar shape to their isolated forms.


Notice the difference in the height above the line of the previous letter as it joins the final fā' and qāf.
ب + + = = = = بِعِ

Compare these handwritten words with their printed forms:
Printed form Handwritten form

$\begin{array}{ccc}\text { صقر } & \text { thaqăfa culture }\end{array}$
فرق $\quad$ فرق $\quad$ farg difference
دقيق
رَفْیِ
daqīq flour


Practise tracing and copying those words.
$\qquad$
$\qquad$

$\qquad$

$\qquad$

9ㄴํ
$\qquad$
$\qquad$
$\qquad$

$\qquad$


## extra

## Numbers

The figures 1, 2, 3, 4, etc. used in European languages are based on Arabic numbers and are often termed 'Arabic' numerals (as opposed to 'Latin' numerals i, ii, iii, iv, etc.). However, the figures commonly used in the Arab world vary somewhat from their European counterparts:

Printed Handwritten
(

If you look how $1 \cdot(10)$ is written, you can see that Arabic numbers read from left to right as in English - the opposite direction to the rest of the script.

Handwritten Arabic numbers look similar to the printed ones. The main exception is the number 2 . Note also that sometimes a hastily handwritten Arabic three $Y$ looks more like a printed two $r$. Watch out for this as it can be confusing.

Practise writing the Arabic numbers, starting at the black dot:



The letter $\boldsymbol{\int}$ kāf does not share its shape with any other letter.
Compare the usual printed and handwritten forms. Notice how the handwritten version usually joins the hamza shape in the middle of the letter to create a clockwise swirl:

## Printed form Handwritten form


the letter kāf. Pronounced k as in 'kettle'.

## Master calligrapher tips

The movement required to produce the handwritten kāf is similar to a combination of the shapes used to produce I followed by followed by بل:
(2)

First practise tracing and then copying the isolated letter shape, making sure you follow the direction shown in the numbered sequence at the top of the page.

## Joining up

Pay special attention to the different shapes of the letter kāf when joined. The final form is recognisable, but the initial and medial forms look different.


Practise the medial and final forms of kāf, following the arrows and completing the downwards angled stroke last.


When writing words containing initial or medial kāfs you should write the lower part of the letter, but leave the upper slanted stroke as an addition to be completed when you have finished the whole shape of the word, along with any dots on other letters:

Stage 1:
راط

Stage 2:
 (karrākāt)

This is similar to how joined-up 't's and 'i's are formed in English, with the main vertical strokes completed as part of the word, and the letters crossed and dotted at the end:

## Stage 1: Cole

Stage 2: trite

Look at these words with $\boldsymbol{\int}$ kāf in their printed and handwritten forms:

Printed form Handwritten form


Now practise writing those words.
$\qquad$


##  

الكاف تكتب بهذا الشكل الدائري إذا كان بعدها حرف صاعد
al-kāf tuktab bi-hādhā sh-shakl id-dā'ir̄̃ idhā kāna bacdahā hard ṣāeid ('The kāf is written in this circular shape if after it there is an ascending letter.')

Original Arabic text of the Master calligrapher tip on page 65 written by Professor Mohammed Hamaam. Notice how the slanting stokes of the kăfs have become slightly separated from the lower part of the letters, showing that they have been added at a later stage.

Practise writing the two letters. Remember to add the downward stroke and the dot last.


## Joining up

b and blook similar wherever they appear in a word. Notice that when you join them to the letter before, i.e. in the medial and final forms, you need to loop back over the line before continuing.


Practise writing the words below. As with the letter kāf (see Unit 14), it's best to complete an entire word and then add the downward stroke of the b or ظ, along with any dots.



Can you read the signs on the vegetables?

| (suo!uo) | (К」əəว) | (səołewiol) | (\$70.4es) | (saotelod) |
| :---: | :---: | :---: | :---: | :---: |
|  | sıesey |  | Jeze! | stịxieq |
| -10) | N-mm | 909 | *r | 4 |

This shape is used for two Arabic letters. The printed and handwritten versions look similar.

## Printed Handwritten

 ' $a$ h' coming from the stomach.

the letter ghayn. With an additional dot above. Pronounced as an ' r ' from the back of the throat as in the French 'rouge'.

Practise writing the two letters.


## Joining up



The initial form is similar to the isolated form, but without the final tail. The medial and final forms have a modified shape in both printed and handwritten Arabic: a small triangular loop. Joining from the right you need to curve up slightly, then loop back to the right before continuing curving down again to the left.

Notice that, in common with other letters with a final tail, the handwritten $\mathcal{C}$ - is raised higher to enable the tail to finish in
the correct position. This will have the effect of also raising the letter(s) before:

$$
\because=\varepsilon+
$$

Practise writing the words containing $\varepsilon$ and $\dot{\varepsilon}$ in different positions:


You have now covered all the basic letter shapes needed to write Arabic.You will find the complete table of all the letters in the various positions on pages 112-16. Part 2 deals with how to form particular combinations of letters and Part 3 gives you a chance to put all you have learnt into practice.

## Letter combinations

## General principles

Working your way through Part 1 of this book，you have already encountered some of the general principles involved in handwriting Arabic．Here is a summary of the main points you have met：
－Double and treble dots above and below letters become dashes and＇caps＇：
－The＇$w$＇shape at the beginning of $\sin$ س $a n d$ shin generally becomes a smooth line： ur．
－Some final letters have alternative final forms，egg．

$$
0 / \sim, ஸ / \omega \text {, and } \dot{\rho} /
$$

－Each group of letters needs to end with the final character in the correct position on the line－the height of preceding letters should be adjusted to achieve this．
－In addition，some special shapes have developed to join particular combinations of letters．
Implementing all of these principles requires practice and time． You will start by only recognising some of the more complicated combinations．However，the more you can apply the principles， the more your handwriting will resemble that of a native Arabic speaker，and so the more credibility you will acquire． You need to imagine how you would regard a foreigner who writes you an English note in printed infant letters as opposed to a fully formed adult hand．

## Final letters

In this unit we will look as a whole at final letters and how they affect the letters that come before．The＇final letter＇could be the last letter in a word or it could be a non－joining letter，making it the last letter in a combination．

Some final letters are written along the line and there is no special adjustment needed to the letters）that come before：

$$
\begin{aligned}
& \text { ب + فن = بغن }
\end{aligned}
$$

But others are joined higher to allow the final tail to fall in the correct position：
ف ب + + = = = = = فِيِّ

Compare the position of the initial baa＇بـ in بـ and بف above． When joining to fā＇ف you can start the bā＇on the line，but when joining to qāf $ق$ you should raise the baa＇in anticipation， so that the deeper tail of the qāf falls back on the line．The ability to anticipate is one of the features of good Arabic handwriting．

Here are the final letters like qāf that are joined to above the line：

$$
\begin{aligned}
& \text { ととvうがん }
\end{aligned}
$$

Units 18－20 will cover joining to $\dot{\tau} / \mathrm{C} / \mathrm{C}$ ， unit we will practise the other final letters．

Practise tracing and copying these combinations, taking care to start the initial letter above the line:


Now trace and write these complete words taking note of the relative positions of the letters.


Joining to

In Unit 7 you saw how the initial letter shape $\boldsymbol{\sim}$ joins to following letters. This shape is shared by the letters $\tau$ jīm, $\tau$ hā' and $\dot{\tau}^{k h a ̄ ' . ~}$

In this unit we will look in more detail at the medial and final shapes for these letters.
final
joined to the letter before only

medial
joined both sides joined both sides


## initial joined to the letter after only



You can see that the medial and final letter shapes are joined to the letter before with a diagonal right-to-left stroke joining at the top left-hand side of the main letter. This requires anticipation when joining.

Practise tracing and copying the medial and final shapes, taking care to start where indicated by the arrow:


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There is also a special combined shape used when (or any of the letters which share its initial and medial shape - see Unit 3)


$$
\begin{aligned}
& \text { E }=\tau+ب \\
& \text { S. }=\sim+ب
\end{aligned}
$$

Practise these combinations:


Compare these words in their printed and handwritten forms.
Printed form Handwritten form


Now try writing the words for yourself:

al-ittiḥād (The Union)
Masthead from the Emirates-based newspaper

## Joining to

The letter mîm $م$ is one of the trickiest letters to master. You have already seen in Unit 9 that when it loses its tail it is reduced to a small circle or blob:
mīm in isolation:
initial mīm: $\qquad$
In addition, when mim is in the medial or final position, with a letter following it, it tends to become tucked under the letter in handwriting, sometimes making it difficult to spot:
final
joined to the
letter before only


initial joined to the letter after only


Practise forming the medial and final shapes, completing the black part of the shape first. You can move your pen around on the spot until you can see a blob, especially if using a thinner nib.

مطعم الحاتي maţam al-ḥātī (Al-Hati Restaurant)
Notice how the $J$ is joined to the top left of the $\tau^{\prime}$ and how several letters have ornamental upwards strokes for decorative effect.

Look at how these letters join to mīm:

$$
\begin{aligned}
& \text { ? } \\
& \text { ب+ + = مُم } \\
& \text { 盾 } \\
& \text { س }
\end{aligned}
$$

Certain combinations of mīm and other letters can result in a 'pile up' of three or four letters above the line.


If you can write these kinds of combinations correctly and fluently, you can truly claim to have mastered Arabic handwriting!

Practise forming those combinations:


مطعم mateqam (restaurant)

20 Joining to final ي

In Unit 3 you saw how the initial
final yah' to produce this shape: Other letters combine with the final yā̀ in a similar way. Look at
how the final $\overline{\bar{a}}{ }^{\prime}$ combines with these ten initial letter shapes:


Note the subtle sinna ('tooth') after the loop of the ṣăd in ae by on its.
This is an important part of the letter (compare to left). In addition, don't forget to add any dots and the
downwards stroke of the $b$ and $\leq$ after you have completed th whole of the main shape.

思
is be on o

$\square$
$\qquad$
$\qquad$
$\qquad$


The banner across the magazine reads: إقرأوا في هذا العدد iqra'ū fī hādhā l-عadad (Read in this issue). Notice how the word فi iin) is written.

21

## Summary of combinations with

As a summary of how Arabic letters combine, look at the following which shows the initial $\mathbf{~}$ joined to all the letters of the alphabet in turn in their final forms (see pages 112-16 for the Arabic letters in alphabetical order).


Compare particularly the position of the in relation to the letter that follows: the point and height above the line at which it joins.

Now practise copying these combinations:


By working your way through this guide, you should now have mastered the fundamentals of reading and writing ruq'a Arabic script. In Part 3, you will find activities which will further improve your script and provide you with practice in deciphering handwritten material.

## Write on!

## Activities for further practice

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The Write on! section consists of additional activities designed to provide further practice in handwriting and recognition. You will find the answers to these activities on page 106.

## Activity 1

Handwrite these combination of letters, as in the example.

$$
\begin{aligned}
& \text { L }=1+\text { ? } \\
& =\Delta+\mathrm{p} \\
& \text { ب + ض = } \\
& \text { ش } \\
& \text { ف } \\
& =J+s \\
& =1+J \\
& =w+b \\
& =\varepsilon+ت \\
& \text { بي }
\end{aligned}
$$

## Activity 2

Now write these printed naskh words in ruq'a script, as in the example.


## Activity 3

Match the handwritten words with their printed equivalents，as in the example．


Now

## 



الطلاق


سشلاسل


## Activity 4

Now write the words from Activity 3 on the lines．

$\qquad$
$\qquad$

Can you work out the names and nationalities of these three travellers from their immigration forms?
(

 الاسم name : الجنسية nationality : ..يـِيميـ

## Activity 6

How many kilometres is it to these towns?


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## Activity 7

a) Can you work out the name of this pasta (مكرونة) company?

b) And how about this doctor? (hint: the Arabic name Amr is spelt with a silent wāw on the end: عمرو)


## Activity 8

How much would the following cost you in the Marina cafeteria?

## Pizza and ice cream?

Spaghetti and kebab?
Tuna mayonnaise and cappuccino?


## Activity 9

Circle the following places in the box below, as in the example:

## Madrid $\boldsymbol{\checkmark}$

Crete
London
Peru
Aswan
Athens
Majorca
Mauritania
Oman
Liverpool (hint: the foreign sound ' $v$ ' is often written in Arabic as a db aaa' with three dots: ث)


## Activity 10

Look at the travel agent's window and answer these questions:

1. Is the agent offering a package to New York?
2. What ancient site is included in the travel package to Aswan?
3. The package to the Far East includes five nights in Thailand and four nights in which place?
4. How many nights can you stay in Berlin?
5. Which Japanese and European cities can you visit on a five-star package?


## Activity 11

| juice | عصير |
| :---: | :---: |
| natural |  |
| oranges | butuqā برتقال |
| carrots | جزر jazar |
| strawberries | farāwla فراولة |
| mangos | māngo مـانجو |
| guavas | جوافة |
| tamarind | tamr hindĩ |
| sugar cane | qaṣab |

Look at the photo of the juice stall opposite and the word list above. Then see if you can work out how much these juices cost.

1. one orange juice
2. two tamarind juices
3. one strawberry juice
4. one juice cocktail
5. two guava juices
6. two carrot juices
7. three mango juices
8. four sugar cane juices


Answers to the Activities
Activity 1

$$
\begin{aligned}
& \text { ع } \\
& \text { م } \\
& \text { ب+ ض = يِّن } \\
& \text { ش } \\
& \text { ف +ل = فِل } \\
& \text { 昼 }=\sqrt{6} \\
& \underline{\nu}=1+J \\
& \text { b }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ب ب ب } \\
& \text { 0.6.6. } \\
& \text { جات = } \\
& \text { مار = مغار = } \\
& \text { 棌 } \\
& \text { بح = بكّ } \\
& \text { أبكه = أيبهع } \\
& \text { تسل = } \\
& \text { سابكا } \\
& \text { مشاغل = میاغـر } \\
& \text { الجمال = الجمال }
\end{aligned}
$$

Activity 3


Activity 5
1．Riyad Sabri（ريـاض صبري）；Bahraini（باينة）
2．Nadya Badawi（نادية بدوي ）；Tunisian（تونسية）
3．Muhammad Khalid（مـمد خـالد）；Iraqi（عراقي）
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| Activity 6 |  |
| :--- | :--- |
| Minya | 80 km |
| Luxor | 450 km |
| Beni Suef | 30 km |
| Cairo | 140 km |
| Asyut | 200 km |
| Al Fayoum | 60 km |

## Activity 7

a) مينـا القـاهرة mīna al-qāhira (Mina of Cairo)
b) دكتور عمرو عبد الفتاح duktūr عamr عabd al-fattāḥ̣ (Dr Amr Abd al-Fattah)

Activity 8
Pizza and ice cream $=750(550+200)$
Spaghetti and kebab $=710(290+420)$
Tuna mayonnaise and cappuccino $=480(365+115)$

## Activity 9

Activity 10

1. Yes (top of window: middle poster: نيو يورك)
2. Abu Simbel (أبو سمبل)
3. Bali (بـالي)
4. 3 nights ( r (ليـال)
5. Tokyo (طوكيو), Osaka (اوزاكا) and Vienna (ثيیا)

Activity 11

1. one orange juice $=50$
2. two tamarind juices $=50(25 \times 2)$
3. one strawberry juice $=100$
4. one juice cocktail $=100$
5. two guava juices $=200(100 \times 2)$
6. two carrot juices $=100(50 \times 2)$
7. three mango juices $=300(100 \times 3)$
8. four sugar cane juices $=100(25 \times 4)$

## Arabic alphabet

Summary table

This reference table presents a summary of the 28 handwritten and printed Arabic letters in alphabetical order. The letters are shown in their various forms.

You will find details of the discretionary vowel and doubling signs in the extra section on pages 14-15.

The extra section on pages 42-43 covers how to write the Arabic hamza (s).

medial initial isolated | letter |
| ---: |
| jīm |


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final medial initial isolated
letter
ل
J $\qquad$
$\Gamma$
6
-
-
(nīm
(os hā'



[^0]:    * al- is pronounced as az- in this combination.

