

Chinese Bagua Cube Design

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WebSites	http://www.mementoslangues.fr/	http://www.randelshofer.ch/

Introduction

A **Chinese Bagua Cube** is a 3x3x3 **Rubik's Cube** used to display symbols and characters that are usually found on a Chinese Bagua Octagonal Diagram. The Bagua (八卦 *bāguà*), literally "eight symbols", is a fundamental philosophical concept in ancient China. In its simplest form, it is generally represented as an octagonal diagram displaying 1 trigram on each of its 8 octagonal sectors.

Chinese Bagua Diagram – Useful Links

http://zh.wikipedia.org/wiki/八卦	http://en.wikipedia.org/wiki/Bagua_(concept)
http://zh.wikipedia.org/wiki/風水	http://en.wikipedia.org/wiki/Feng_shui
http://zh.wikipedia.org/wiki/河圖洛書	http://en.wikipedia.org/wiki/Lo_Shu_Square
http://zh.wikipedia.org/wiki/河圖洛書	http://www.iching.com.my/index-en.html
http://fengshui.about.com/od/glossaryofterms/g/bagua.htm	
http://fengshuiyourownway.blogspot.com/2007/03/baguas-by-boatload.html	

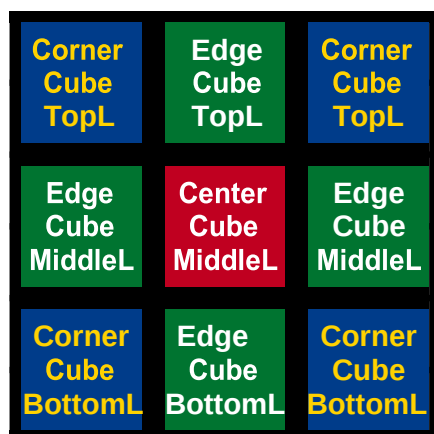
There are **Virtual Cubes** that can be *virtually* rotated and twisted on a computer screen and **Real Cubes** that can only be *physically* rotated and twisted by hand. A **Texture** is laid down on a Virtual Cube whereas real **Stickers** are stuck down on a Real Cube. A Chinese Bagua Cube is designed by placing symbols and characters on a texture which is then laid down on a Virtual Cube (see <http://www.randelshofer.ch/> for more details).

The following example shows the initial state of the Cube, where all 8 trigrams and a Yin-Yang symbol are displayed on a solved front face.

Chinese Bagua Cube – King Wen 'Later Heaven' Bagua Arrangement		
Chinese Bagua Cube Original design 2017 by André Boulouard and Walter Randelshofer	Copyright © 2017 André Boulouard Walter Randelshofer Werner Randelshofer All rights reserved.	
Chinese Bagua Cube Texture		Chinese Bagua Cube
Download CubeTwister from: http://www.randelshofer.ch/		

Terminology

In a 3x3x3 **Rubik's Cube**, there are 8 *Corner Cubes*, 12 *Edge Cubes*, 6 *Center Cubes* and 6 *Cube Faces*. There are also 4 Corner Cube faces, 4 Edge Cube faces and 1 Center Cube face *per Cube Face*, as shown below.

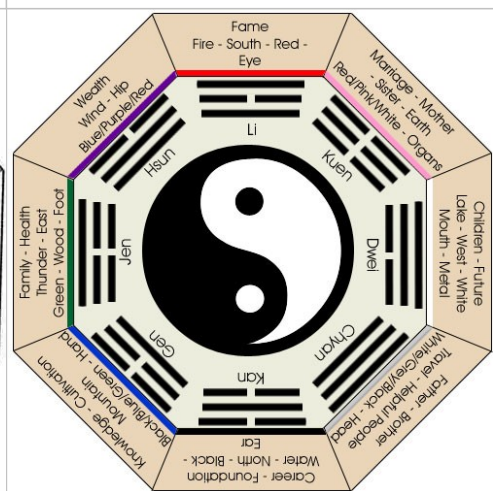
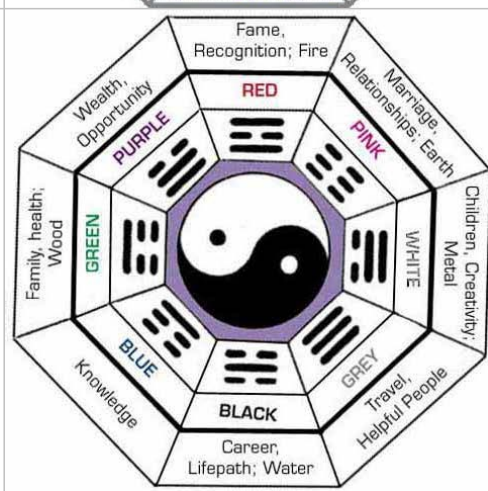
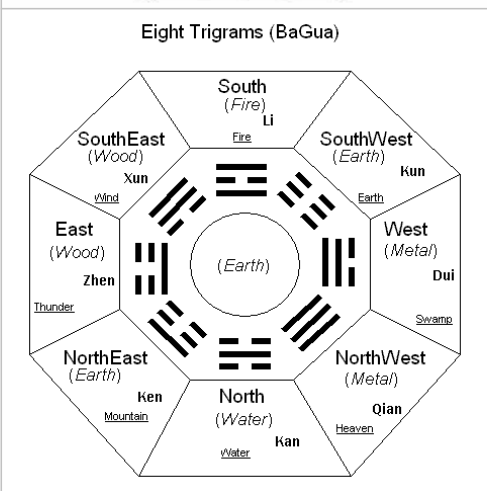
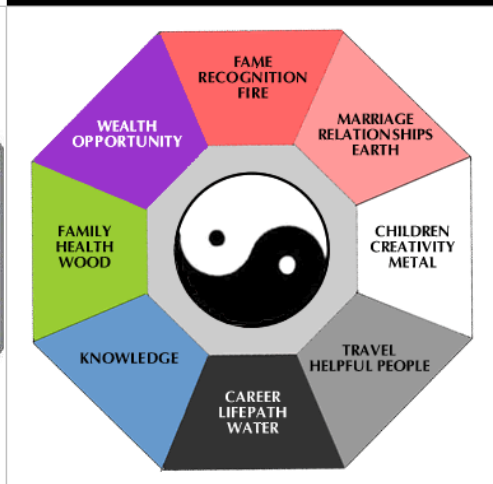
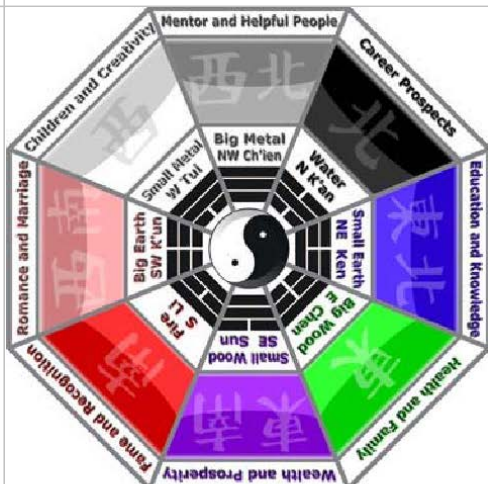
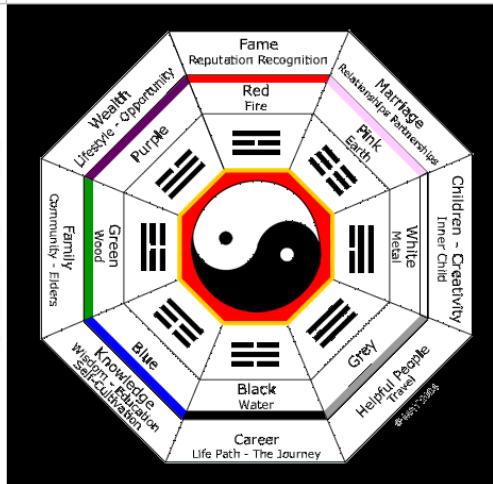
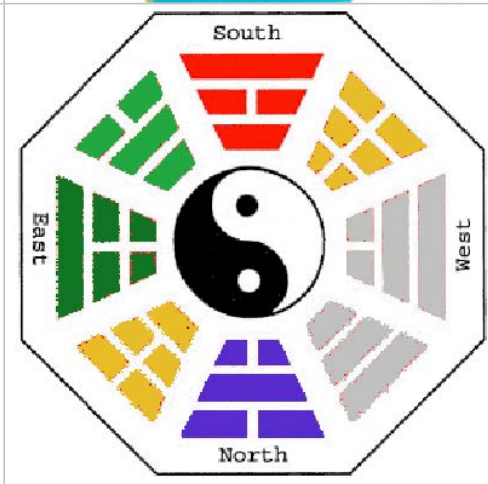
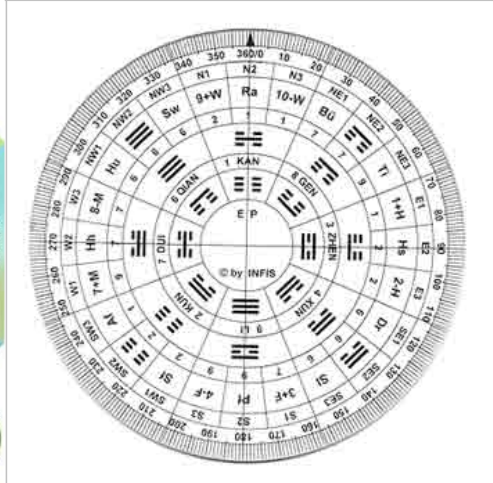


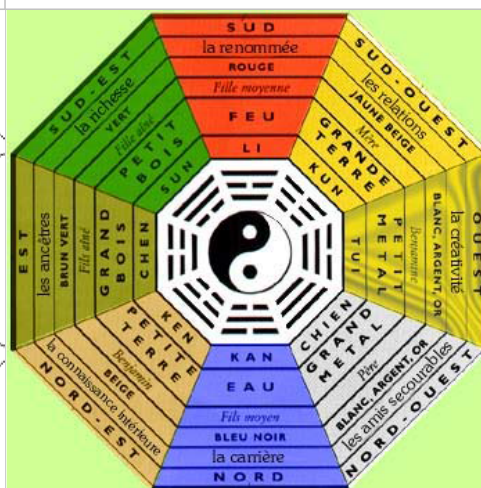
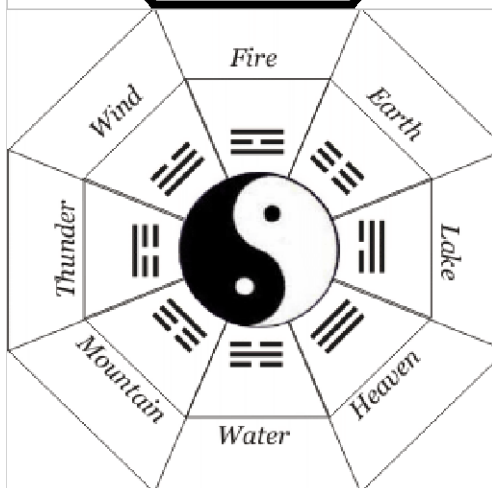
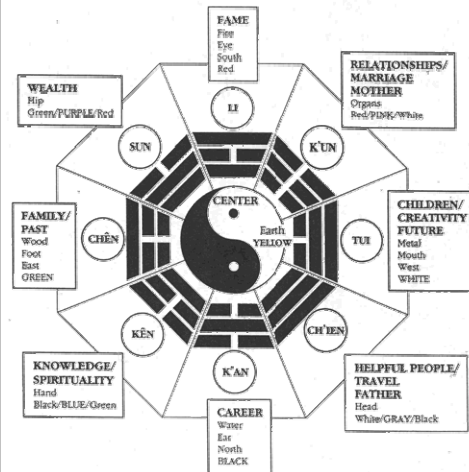
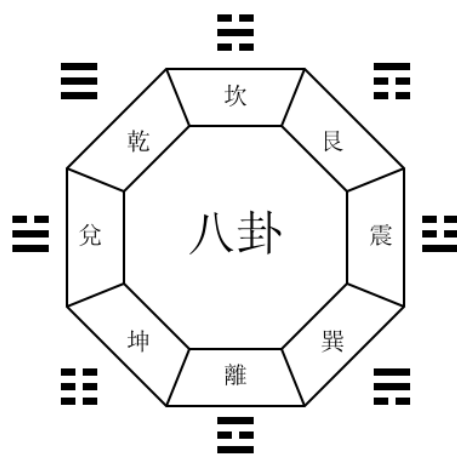
There are 1 face per Center Cube, 2 faces per Edge Cube and 3 faces per Corner Cube. There are also 3 horizontal Layers called *Top*, *Middle* and *Bottom* Layers.

Cube Lexicon		
English	Français	Deutsch
Cube	Cube	Würfel
cube, cube	cube, petit cube	Würfeteil, Teil des Würfels
face	face	Seite, Seitenfläche
front face	face avant	vordere Seite, vorne
back face	face arrière	hintere Seite, hinten
left face	face gauche	linke Seite, links
right face	face droite	rechte Seite, rechts
top face	face supérieure	obere Seite, oben
bottom face	face inférieure	untere Seite, unten
sticker	étiquette (autocollante), plaquette	Kleber, Farbkleber
tile	tuile, plaquette	Plättchen, Farbplättchen
center cube, center	cube central, centre	Mittelwürfel, Mittelstein, Mitte
edge cube, edge	cube-arête, arête	Kantenwürfel, Kantenstein, Kante
corner cube, corner	cube de coin, coin	Eckwürfel, Eckstein, Ecke
layer	couronne	Schicht, Scheibe
top layer	couronne supérieure	obere Schicht, obere Scheibe
middle layer	couronne intermédiaire	mittlere Schicht, mittlere Scheibe, Mittelschicht, Mittelscheibe
bottom layer	couronne inférieure	untere Schicht, untere Scheibe
orientation, direction	orientation	Orientierung
to solve	résoudre	lösen, zusammen drehen
to twist	pivoter	drehen
to rotate	tourner, effectuer une rotation	drehen
clockwise	dans le sens horaire	im Uhrzeigersinn
anticlockwise, counter-clockwise	dans le sens anti-horaire	im Gegenuhrzeigersinn

Chinese Bagua Diagram Examples

Chinese Bagua Diagram Examples





Wood Wealth Brown & Green	Fire Fame Red, Orange, Purple, Bright Yellow	Earth Love Beige, Light Yellow, Peach
Wood Family Brown & Green	Earth Health Beige, Light Yellow, Peach	Metal Children White & Gray
Earth Wisdom Beige, Light Yellow, Peach	Water Career Blue & Black	Metal Mentors White & Gray

Fuxi 'Earlier Heaven' Bagua Arrangement

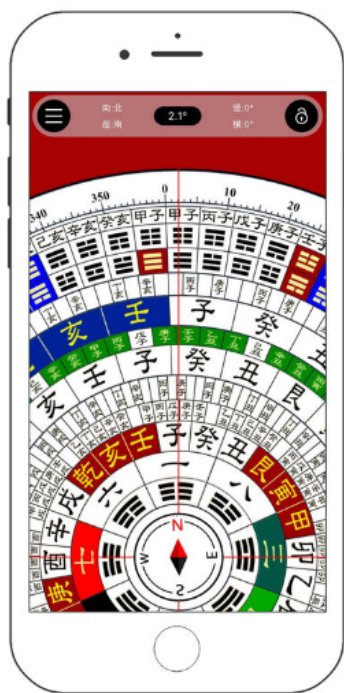


King Wen 'Later Heaven' Bagua Arrangement



South on top, North at bottom, East at left, West at right

Mobile Fengshui Compass

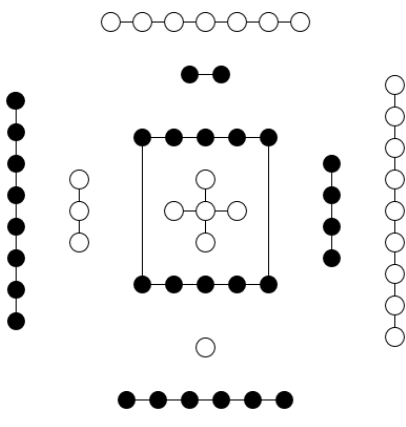
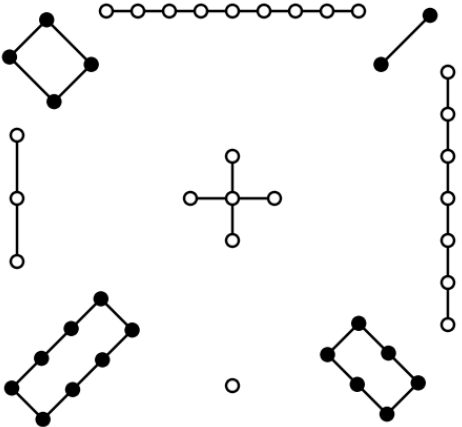


Fengshui Compass



https://en.wikipedia.org/wiki/Lo_Shu_Square – <https://zh.wikipedia.org/wiki/河圖洛書>

Chinese *Luò shū* Magic Square



4	9	2
3	5	7
8	1	6

4 ☴	9 ☵	2 ☶
3 ☷	5 ☯	7 ☱
8 ☳	1 ☲	6 ☴

The Five Elements: Earth [2,5,8] → Metal [6,7] → Water [1] → Wood [3,4] → Fire [9] → Earth [2,5,8]

Chinese *Luò shū* Magic Square Cube

Chinese Magic Square Cube
Original design 2017 by
André Boulouard and
Walter Randelshofer

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四	九	二
三	五	七
八	一	六

4	9	2
3	5	7
8	1	6

四	九	二
三	五	七
八	一	六

四	九	二
三	五	七
八	一	六

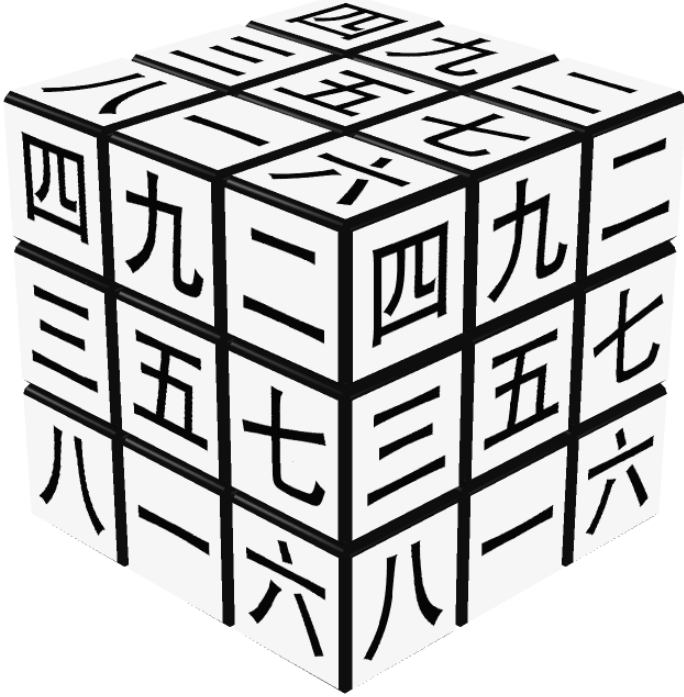
四	九	二
三	五	七
八	一	六

U
L F R B
D B

Chinese *Luò shū* Magic Square Cube Texture

一	二	三	四	五	六	七	八	九
yī	èr	sān	sì	wǔ	liù	qī	bā	jiǔ
1	2	3	4	5	6	7	8	9

Chinese *Luò shū* Magic Square Cube



Chinese Bagua Cube Design

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<http://www.mementoslangues.fr/>

Chinese Cubes

Chinese 八卦 Bāguà Character Table

<https://en.wikipedia.org/wiki/Bagua> – <https://zh.wikipedia.org/wiki/八卦>

Directions: **E**: Fuxi 'Earlier Heaven' Bagua arrangement – **L**: King Wen 'Later Heaven' arrangement

Chinese Bagua Character Table – 8 Trigrams										
No	Image	Name	Nature	Personality	Family	Animal	Body	Direction E	Direction L	Element
号	卦像	卦名	自然	性情	家族	动物	身体	方位	方位	五行
Hào	Guàxiàng	Guà míng	Zì rán	Xìng qíng	Jiā zú	Dòng wù	Shēn tǐ	Fāng wèi	Fāng wèi	Wǔ xíng
一	☰	乾	天	健	父	馬	頭	南	西北	金
yī		qián	tiān	jiàn	fù	mǎ	tóu	nán	xīběi	jīn
1			heaven	creative	father	horse	head	south	north-west	metal
二	☱	兌	澤	悅	少女	羊	口	東南	西	金
èr		duì	zé	yuè	shàonǚ	yáng	kǒu	dōngnán	xī	jīn
2			lake	joyful	youngest daughter	sheep	mouth	south-east	west	metal
三	☲	離	火	麗	中女	雉	目	東	南	火
sān		lí	huǒ	lì	zhōngnǚ	zhì	mù	dōng	nán	huǒ
3			fire	clinging	middle daughter	pheasant	eye	east	south	fire
四	☳	震	雷	動	長男	龍	足	東北	東	木
sì		zhèn	léi	dòng	zhǎngnán	lóng	zú	dōngběi	dōng	mù
4			thunder	arousing	eldest son	dragon	foot	north-east	east	wood
五	☴	巽	風	入	長女	雞	股	西南	東南	木
wǔ		xùn	fēng	rù	zhǎngnǚ	jī	gǔ	xīnán	dōngnán	mù
5			wind	gentle	eldest daughter	fowl	thigh	south-west	south-east	wood
六	☵	坎	水	陷	中男	豕	耳	西	北	水
liù		kǎn	shuǐ	xiàn	zhōngnán	shǐ	ěr	xī	běi	shuǐ
6			water	abysmal	middle son	pig	ear	west	north	water
七	☶	艮	山	止	少男	狗	手	西北	東北	土
qī		gèn	shān	zhǐ	shàonán	gǒu	shǒu	xīběi	dōngběi	tǔ
7			mountain	stillness	youngest son	dog	hand	north-west	north-east	earth
八	☷	坤	地	順	母	牛	腹	北	西南	土
bā		kūn	dì	shùn	mǔ	niú	fù	běi	xīnán	tǔ
8			earth	receptive	mother	cow	belly	north	south-west	earth
	☯	陰陽								
	yīnyáng	yīnyáng								
	YinYang	YinYang								

Chinese Bagua Cube Faces

Front Face – Yin Yang and 8 Trigrams		
Symbol	Pinyin Transcription	English
	<i>Yīnyáng</i>	Yin Yang
	<i>qián</i>	Trigram 1
	<i>duì</i>	Trigram 2
	<i>lí</i>	Trigram 3
	<i>zhèn</i>	Trigram 4
	<i>xùn</i>	Trigram 5
	<i>kǎn</i>	Trigram 6
	<i>gèn</i>	Trigram 7
	<i>kūn</i>	Trigram 8

Right Face – Trigram Name		
Trigram Name	Pinyin Transcription	English
卦名	<i>Guà míng</i>	Trigram Name
乾	<i>qián</i>	Trigram 1 name
兌	<i>duì</i>	Trigram 2 name
離	<i>lí</i>	Trigram 3 name
震	<i>zhèn</i>	Trigram 4 name
巽	<i>xùn</i>	Trigram 5 name
坎	<i>kǎn</i>	Trigram 6 name
艮	<i>gèn</i>	Trigram 7 name
坤	<i>kūn</i>	Trigram 8 name

Top Face – Nature		
Nature	Pinyin Transcription	English
自然	<i>Zìrán</i>	Nature
天	<i>tiān</i>	heaven
澤	<i>zé</i>	lake
火	<i>huǒ</i>	fire
雷	<i>léi</i>	thunder
風	<i>fēng</i>	wind
水	<i>shuǐ</i>	water
山	<i>shān</i>	mountain
地	<i>dì</i>	earth

Down Face – Animal		
Animal	Pinyin Transcription	English
动物	<i>Dòngwù</i>	Animal
馬	<i>mǎ</i>	horse
羊	<i>yáng</i>	sheep
雉	<i>zhì</i>	pheasant
龍	<i>lóng</i>	dragon
雞	<i>jī</i>	fowl
豕	<i>shǐ</i>	pig
狗	<i>gǒu</i>	dog
牛	<i>niú</i>	cow

Left Face – Personality		
Personality	Pinyin Transcription	English
性情	<i>Xìngqíng</i>	Personality
健	<i>jiàn</i>	creative
悅	<i>yuè</i>	joyful
麗	<i>lì</i>	clinging
動	<i>dòng</i>	arousing
入	<i>rù</i>	gentle
陷	<i>xiàn</i>	abysmal
止	<i>zhǐ</i>	stillness
順	<i>shùn</i>	receptive

Back Face – Body Part		
Body Part	Pinyin Transcription	English
身体	<i>Shēntǐ</i>	Body
頭	<i>tóu</i>	head
口	<i>kǒu</i>	mouth
目	<i>mù</i>	eye
足	<i>zú</i>	foot
股	<i>gǔ</i>	thigh
耳	<i>ěr</i>	ear
手	<i>shǒu</i>	hand
腹	<i>fù</i>	belly

Vocabulaire chinois

魔术方块	<i>Móshù Fāngkuài</i>	Cube de Rubik
八卦	<i>bāguà</i>	les huit trigrammes
乾	<i>qián</i>	mâle, masculin, souverain, le Ciel, <i>trigramme 1</i>
兑/兌	<i>duì</i>	joie, échanger, aisé, ouverture, unir, <i>trigramme 2</i>
离/離	<i>lí</i>	quitter, se séparer, exposer, lumière, <i>trigramme 3</i>
震	<i>zhèn</i>	ébranler, tremblement, foudroyer, <i>trigramme 4</i>
巽	<i>xùn</i>	soumis, docile, complaisant, humble, <i>trigramme 5</i>
坎	<i>kǎn</i>	levée de terre, cavité, précipice, <i>trigramme 6</i>
艮	<i>gèn</i>	s'arrêter, marquer une pause, <i>trigramme 7</i>
坤	<i>kūn</i>	femme, obéissance, la Terre, <i>trigramme 8</i>
性情	<i>xìngqíng</i>	tempérament, caractère, humeur
健	<i>jiàn</i>	fort, robuste, bonne santé, fortifier, renforcer
悦/悅	<i>yuè</i>	heureux, content, joyeux, prendre plaisir à, plaire à
丽/麗	<i>lì</i>	beau, joli, s'attacher à, adhérer, avancer ensemble
动/動	<i>dòng</i>	bouger, se mouvoir, agir, agiter, émouvoir
入	<i>rù</i>	entrer, pénétrer, participer à, adhérer, être en harmonie
陷/陷	<i>xiàn</i>	fosse, trappe, tomber dans, s'enliser, s'enfoncer, faute
止	<i>zhǐ</i>	s'arrêter, cesser, atteindre, jusqu'à, seulement
顺	<i>shùn</i>	suivant, docile, obéissant, se soumettre, favorable, propice
自然	<i>zìrán</i>	nature, naturel, être par soi-même, spontané, bien sûr
天	<i>tiān</i>	ciel, souverain du ciel, jour, temps, sommet de la tête
泽/澤	<i>zé</i>	lac, marais, étang
火	<i>huǒ</i>	feu, brûler, colère, passion, se fâcher, fièvre, Mars
雷	<i>léi</i>	foudre, tonnerre, soudain, violent, mine explosive
风/風	<i>fēng</i>	vent, style, ambiance, paysage, réputation, rumeur
水	<i>shuǐ</i>	eau, liquide, juteux, rivière, inondation, Mercure
山	<i>shān</i>	montagne, colline, tumulus, ermitage, monastère
地	<i>dì</i>	terre, terrain, région, lieu

动物	<i>dòngwù</i>	animal
马/馬	<i>mǎ</i>	cheval
羊	<i>yáng</i>	mouton, chèvre, daim, antilope
雉	<i>zhì</i>	faisan
龙/龍	<i>lóng</i>	dragon, empereur, homme éminent
鸡/雞	<i>jī</i>	poule, coq, poulet
豕	<i>shǐ</i>	porc, sanglier
狗	<i>gǒu</i>	chien, maudit
牛	<i>niú</i>	bœuf, vache, buffle, entêté
身体	<i>shēntǐ</i>	corps, santé, soma
头/頭	<i>tóu</i>	tête, chevelure, chef, premier, sommet
口	<i>kǒu</i>	bouche, bouchée, ouverture, entrée, passe, port
目	<i>mù</i>	œil, regarder, index, liste, section
足	<i>zú</i>	pied, jambe, patte, suffisant, assez
股	<i>gǔ</i>	cuisse, fémur, partie, section
耳	<i>ěr</i>	oreille, anse
手	<i>shǒu</i>	main, par soi-même, bras, personne spécialisée
腹	<i>fù</i>	ventre, abdomen, intérieur