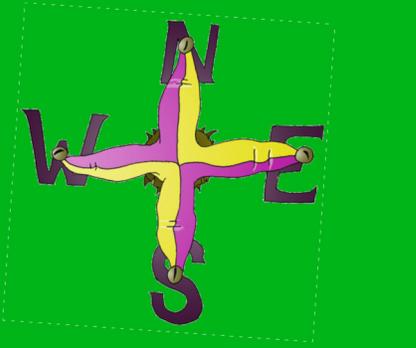


# Adventure Passport



Issued to: **Agent C**  
(also known as)

...THIS ADVENTURE BEGINS AT...  
ADVENTURES.MOTLEYKIDS.ORG

VALID FOR TRAVEL VIA  
**Motley Air**

FOR AS LONG AS THE ADVENTURE LASTS...

## [ Greetings, Agent ]

You are about to embark on a series of Motley Adventures! We're going to travel around the world on a series of **TOP SECRET** missions, and this Adventure Passport is your companion to use for taking notes and keeping track of your journey!

We'll be with you the whole way, no matter what Agent M says — so good luck and have FUN!

With love (and travel),



All About

Agent C

That's YOU

Likes

Doesn't Like

Secret Facts

### MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

MOTLEY ADVENTURES

I went to:

Write your Secret Agent Notes here!

Where will you go next...?

With love (and adventures),

Web: [MotleyKids.org](http://MotleyKids.org)  
Email: [motley@motleykids.org](mailto:motley@motleykids.org)  
Facebook: [facebook.com/MotleyKids](https://facebook.com/MotleyKids)  
Instagram: @Motley\_Kids  
YouTube: [youtube.motleykids.org](https://youtube.motleykids.org)



You have permission to reprint and share freely!

\$\$\$ Motley Money \$\$\$



ONE



MOTLEY DOLLAR



In Crafting we Trust



\$\$\$ Motley Money \$\$\$



ONE



MOTLEY DOLLAR



In Crafting we Trust



\$\$\$ Motley Money \$\$\$



ONE



MOTLEY DOLLAR



In Crafting we Trust



\$\$\$ Motley Money \$\$\$



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MOTLEY DOLLAR



In Crafting we Trust



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In Crafting we Trust



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MOTLEY DOLLAR



In Crafting we Trust



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MOTLEY DOLLAR



In Crafting we Trust



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In Crafting we Trust



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In Crafting we Trust



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MOTLEY DOLLAR



In Crafting we Trust



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ONE HUNDRED  
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In Crafting we Trust

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MOTLEY DOLLARS

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In Crafting we Trust

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\$\$\$ Motley Money \$\$\$

ONE HUNDRED  
MOTLEY DOLLARS

100

In Crafting we Trust

100

**TOP SECRET**

Agent C --  
B.O.R.E.D. are planning something BIG but we don't know what it is. We're going to need you to pose as an agent and infiltrate the organization. I've enclosed a spy kit with all the supplies you'll need for your mission. Go ahead and disguise yourself as a B.O.R.E.D. agent and get your passport ready...

We've intercepted a communiqué from B.O.R.E.D. but it's in code. I'm going to need you to break the code to figure out where they're going to be holding their next meeting. Once you figure it out, use the enclosed airline tickets and enter your destination as the password for your next step...

Agent A

Motley Kids

B.O.R.E.D.

Ntragf-

Jr unir n ybg bs jbex gb  
gb ba gur arj cebwrpg.

Bhe arkg GBC FRPERG  
zrrgvat jvyy or va Cnevf.

Jr jvyy zrrg ng gur clenzvqf  
bs gur Ybhier.

Qba'g or ynqr.

E



Motley Air  
Destination:  
ADVENTURE  
Passenger:  
AGENT C



DESTINATION:  
ADVENTURE  
Passenger: Agent C  
Departs: Any Time  
Seat: Any  
Motley Air



Motley Air  
Destination:  
ADVENTURE  
Passenger:  
AGENT C



DESTINATION:  
ADVENTURE  
Passenger: Agent C  
Departs: Any Time  
Seat: Any  
Motley Air



Motley Air  
Destination:  
ADVENTURE  
Passenger:  
AGENT C



DESTINATION:  
ADVENTURE  
Passenger: Agent C  
Departs: Any Time  
Seat: Any  
Motley Air



Motley Air  
Destination:  
ADVENTURE  
Passenger:  
AGENT C



DESTINATION:  
ADVENTURE  
Passenger: Agent C  
Departs: Any Time  
Seat: Any  
Motley Air

Motley

Destination:

ADVENTURE

Passenger:

AGENT C

Air



DESTINATION:

ADVENTURE

Passenger: Agent C

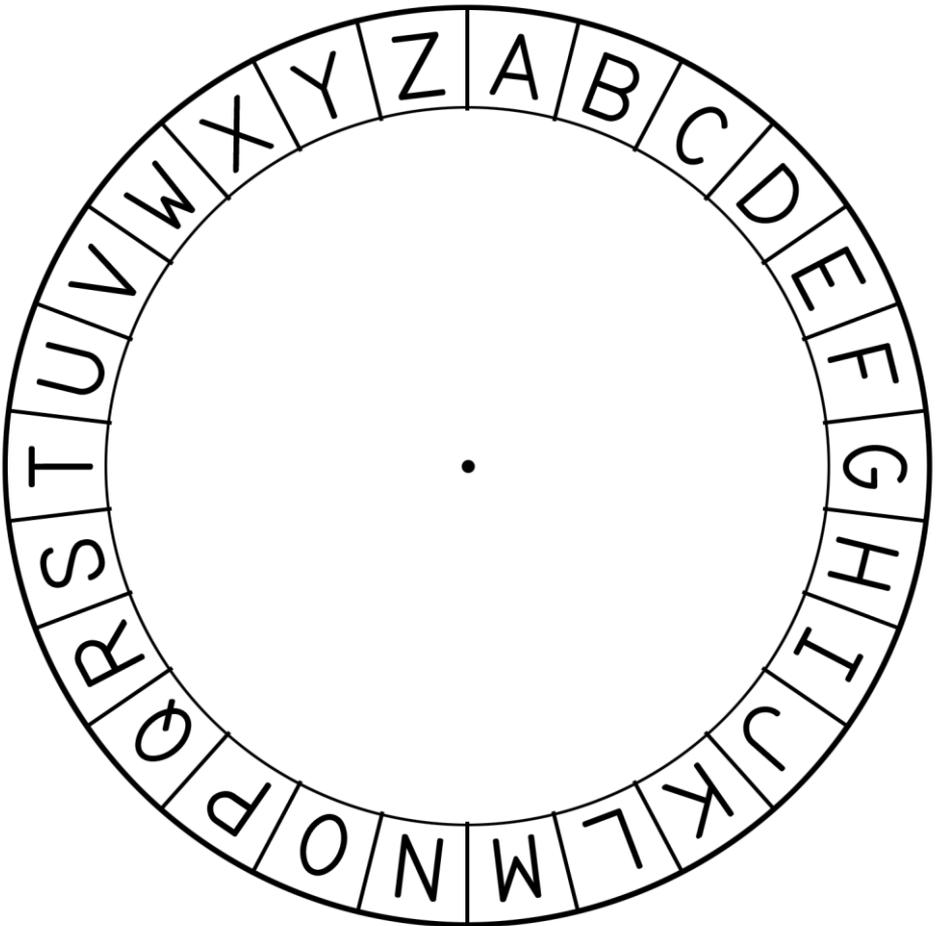
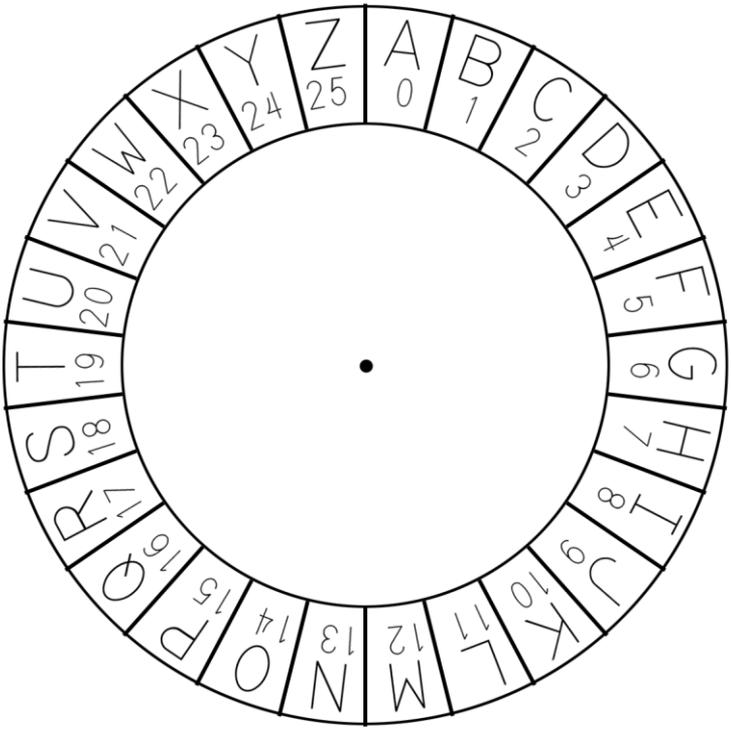
Departs: Any Time

Seat: Any

Motley Air



Motley Kids



# CAESAR CIPHER

## ENCRYPTION AND DECRYPTION

A **Caesar Cipher** is named after Julius Caesar, who used it to send secret messages to his generals. It is a **substitution cipher**, meaning that the same letters are substituted for each other.

### To **encrypt** a message in the Caesar Cipher:

Set your **encryption wheel** (the smaller wheel) so that your **shift** (the number of places to move your letters) lines up with the letter A. Use a paper clip to hold it in place. Then go around the **decryption wheel** (the bigger wheel) and substitute the letter on the encryption wheel for the original letter.

*Example:* You have set your cipher wheel for A → D (a shift of 3) as your encryption. To write the word **HELLO** you would look at H on the bigger wheel and see it lines up with K on the smaller wheel. Then you would look at E and see it lines up with H. When you are done, you would have **KHOOR** as your encrypted text.

### To **decrypt** a message in the Caesar Cipher:

If you have not been given the **shift** (the number of places your letters will be shifted) for the cipher, you will need to figure it out. We've given you some hints for how to do this, but if you are sending a message to a fellow agent, you will want to let them know your shift in advance.

Set your **decryption wheel** (the bigger wheel) so that the letter A lines up with your **shift**. Use a paper clip to hold it in place. Then go around the **encryption wheel** (the smaller wheel) and substitute the letter on the decryption wheel for the letter in your message.

*Example:* You have a shift of 3, so you set your cipher wheel with the number 3 (letter D) on the small wheel lined up with the letter A. If your encrypted text is **JRRGEBH** then you would find your letters on the smaller wheel and read the larger wheel to decrypt the message **GOODBYE**.

# COMMUNIQUE

## HINTS FOR SOLVING AND SOLUTIONS

### Some Hints for Decrypting the Communiqué from B.O.R.E.D.

This document contains a lot of little words. Specifically: It contains the one-letter word “n”. There are only two one-letter words in the English language (and this is in English, we promise). That should narrow your choices down quite a bit.

Try translating some of the two-letter words using the two possibilities for n and see what you get.

**This rule applies to all encrypted messages:** translate the little words first. You can find a **frequency table** online of most-common two-letter words (there are a few), and **the** and **and** are the most common three-letter words.

Remember, in a Caesar Cipher you just need to find one letter pair and all the rest will follow.

### If you are **ABSOLUTELY STUCK**...

The text of the communiqué from B.O.R.E.D. is below. Remember, solving puzzles should be FUN so if you aren't having fun PLEASE let us know!

Agents—

We have a lot of work to do on the new project.

Our next TOP SECRET meeting will be in Paris, France.

We will meet at the pyramids of the Louvre.

Don't be late.

Fingerprints of: \_\_\_\_\_

R. Thumb	R. index	R. middle	R. Ring	R. Little
L. Thumb	L. Index	L. Middle	L. Ring	L. Little

Fingerprints of: \_\_\_\_\_

R. Thumb	R. index	R. middle	R. Ring	R. Little
L. Thumb	L. Index	L. Middle	L. Ring	L. Little

Fingerprints of: \_\_\_\_\_

R. Thumb	R. index	R. middle	R. Ring	R. Little
L. Thumb	L. Index	L. Middle	L. Ring	L. Little

Fingerprints of: \_\_\_\_\_

R. Thumb	R. index	R. middle	R. Ring	R. Little
L. Thumb	L. Index	L. Middle	L. Ring	L. Little

Fingerprints found: \_\_\_\_\_



Fingerprints found: \_\_\_\_\_



Fingerprints found: \_\_\_\_\_



Fingerprints found: \_\_\_\_\_



# MORSE CODE

## MORSE CODE REFERENCE SHEET

### International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A	• —	U	• • —
B	— • • •	V	• • — —
C	— • — •	W	• — — —
D	— • • •	X	— • • —
E	• • •	Y	— • — —
F	• • — •	Z	— — • •
G	— • — •		
H	• • • •	1	• — — — —
I	• •	2	• • — — —
J	• — — — —	3	• • • — —
K	— • — —	4	• • • • —
L	• — • • •	5	• • • • •
M	— — • •	6	— • • • •
N	— • • •	7	— — • • •
O	— — — •	8	— — — • •
P	• — — • •	9	— — — — •
Q	— — • — —	0	— — — — —
R	• — • • •		
S	• • • —		
T	— • • •		

By Rhey T. Snodgrass & Victor F. Camp, 1922 - Image:Intcode.png and Image:International Morse Code.PNG, Public Domain, <https://commons.wikimedia.org/w/index.php?curid=3902977>

# MORSE CODE

## HOW TO USE MORSE CODE

Morse Code is a way to encrypt your message into a series of dots and dashes that can then be sent using sound, light, or electric pulses. Amateur radio operators, aviators, ship communications, and telegraphs all use Morse Code at times.

Its most famous use is the signal SOS, •••---•••, which is an internationally recognized symbol for help.

Encoding your message with Morse Code is easy: just use the chart on the other side to spell out what you want to say. You can use a flashlight to blink out your message, or you can play a message on the piano! Secret Agents can send messages over long distances with this code.

Experienced Morse Code users can decode messages in Morse Code just by listening to or looking at the signals as they come in!

# PIGPEN CIPHER

## PIGPEN CIPHER REFERENCE SHEET

A	B	C	J	K	L																		
D	E	F	M	N	O																		
G	H	I	P	Q	R																		
<del> <table border="1"> <tr> <td>S</td><td></td><td></td> </tr> <tr> <td>T</td><td></td><td>U</td> </tr> <tr> <td></td><td>V</td><td></td> </tr> </table> </del>			S			T		U		V		<del> <table border="1"> <tr> <td></td><td>W</td><td></td> </tr> <tr> <td>X</td><td></td><td>Y</td> </tr> <tr> <td></td><td>Z</td><td></td> </tr> </table> </del>				W		X		Y		Z	
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# PIGPEN CIPHER

## HOW TO USE THE PIGPEN CIPHER

The Pigpen Cipher is a fun and easy cipher that you can take with you! It's also called the tic-tac-toe cipher, and it's very ancient.

This cipher isn't hard to crack when you know the code, but it may fool your friends. Use the chart on the other side of this card to encrypt your sentences. Each letter has a particular shape associated with it based on the lines next to the letter: A is ⊔, for example, while E is ⊞ and W is ∇.

You can draw out the cipher in a hurry: draw two tic-tac-toe grids and two X's, then put dots in the second grid and the second X. Then write the letters of the alphabet in across, then down order.

⊔⊞⊞ ⊞⊞⊞

By Anomie - Own work, Public Domain <https://commons.wikimedia.org/w/index.php?curid=4219969>

# BOOK CIPHER

## BOOK CIPHER REFERENCE SHEET

A Book Cipher is another cipher that requires a little preparation. You and your Secret Agent Partner will need to each have a copy of a particular book — any book will do, as long as you have **identical** copies.

To send your message, you're going to find each word in your book and write down three numbers:

- 1) The page the word is on
- 2) The line the word is on
- 3) The position of the word in the line.

Continue through your book (you can go back and forth) until you have encoded your entire message. It's important for your secret agent partner to have the **identical** book, since different printings of books may change just slightly.

Traditionally, dictionaries or Bibles were used for this cipher, since most houses had one.

# SCYTALE CIPHER

## SCYTALE CIPHER REFERENCE SHEET

The scytale cipher is an example of a **transposition** cipher, where the letters are actually moved around. This was used in ancient Greece to carry secret messages.

The word **scytale** means “baton” or “cylinder” in Greek, and that is the key to the scytale cipher: both the sender and the receiver of the message have a rod or stick that is exactly the same size.

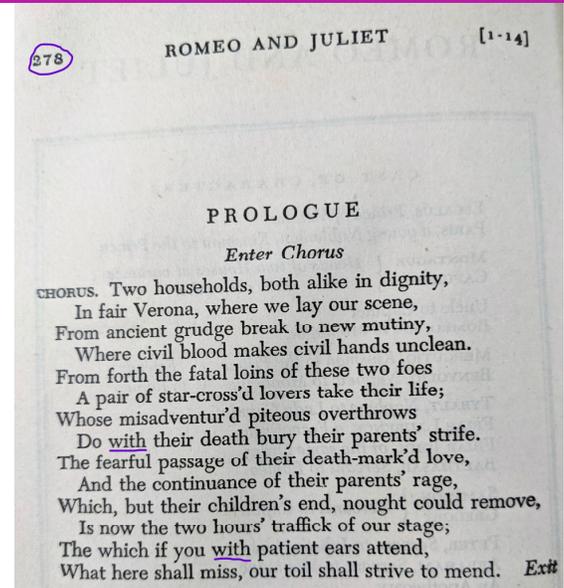
You'll need a little preparation for this one:

- Get two toilet paper or paper towel tubes, large dowel rods, or broom handles that are **exactly** the same size around.
- Cut several long strips of paper out and tape them end to end—you can use a strip about 1/2 to 3/4 inches wide and 30 inches long for an average toilet paper tube.

Now you're ready to encrypt!

# BOOK CIPHER

## HOW TO USE THE BOOK CIPHER



In this page from Shakespeare's *Romeo and Juliet*, you might need the word **with**, so you would encode that as 278, 10, 2 **or** 278, 15, 5 — either one works.

# SCYTALE

## HOW TO USE THE SCYTALE CIPHER

Take your strip of paper and tape it on one end of the paper towel tube at a bit of an angle. Then wrap the paper around the tube in a spiral, with the paper edge to edge, until you run out of paper or space.

Write your message—one letter per strip—across your scytale. Traditionally, spaces are left out. When you're done, unwrap your paper strip and send it with your messenger!

Your receiving agent should wrap the paper around their scytale so the letters line up. If both scytales are the same size, the message will be clear!

