

Name:

Date:

Class:

Encrypted Message Sheet **Answer Key**

Part I: While exploring outer space, your shuttle receives a transmission from Earth. However, due to a solar flare, the transmission was garbled. Your task is to help the space shuttle's computer figure out what the message was supposed to say.

Garbled transmission	Code/ shift	Use this space to translate the message
OLWYA EO XEC.	4	Space is big.
LBH WHFG JBA'G	13	You just won't
SVCZVMV YFN MRJKCP	9	believe how vastly,
ERDBIV, JFKA- YLDDIFKDIV	3	hugely, mind-bogglingly
XEC EP EO.	4	big it is.
- BMSEJYQ YBYKQ	2	- Douglas Adams
SGD GHSBGGHJDQ'R FTHCD SN SGD FZKZWX	1	The Hitchhiker's Guide to the Galaxy



Turn over the page for Part II.

Part II: Now it's your turn! Find a quote from your favorite movie and, using a numeric cipher key, encrypt the message to Earth.

Protocols for Message

When you convert your message, you must follow these rules:

- 1. You can only send 3 words at a time.
- 2. You must include a cipher number with your message.
- 3. The encoded message must be in all caps.

Quote: Answers will vary.		
Message to be encoded	Code/shift	Encoded message

Reflection Questions

Instructions: Answer the following questions regarding your encryption efforts above.

- 1. How would someone know how to decode your message?
Answers will vary.
- 2. What information would you need to share with the recipient?
Answers will vary.
- 3. Would your encryption method be more secure than a Caesar cipher? Why or why not?
Answers will vary.