Science Sleuths - A SCI-FI Science Adventure

-- --- .-. ... .   -.-. --- -.. .

Episode 7

As the time machine turns on to take you on your next adventure, a message flashes across the screen.

-- --- .-. ... .   -.-. --- -.. . Is the time machine broken? Or is Professor Evan trying to tell us something. You remember Professor Evan trying to teach you how to use Morse Code, maybe that's how he's trying to speak to you now. The time machine lights up and a drawer opens, inside is a notebook from Samual Morse, creator of Morse Code. Morse Code is a system of communicating through dots and dashes, and you can even use morse code to communicate through sound pulses or flashes of light! Inside the notebook you learn how to translate Professor Evan's message.

International Morse Code

1. A dash is equal to three dots.
2. The space between parts of the same letter is equal to one dot.
3. The space between two letters is equal to three dots.
4. The space between two words is equal to seven dots.

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

Thanks Rikki's Scouting Resources for the awesome diagram! Morse Code

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Use the chart above to decrypt the message from Professor Evan!

Choose the activity that's right for you!

Grades K-4 - Morse Code Keywords (K-4)
Grades 5-8 - Morse Code Sentences (5-8)

You've solved the message! And now you're ready to meet Professor Evan in Atlantis!

Join us next week for the season 1 finale of Science Sleuths….

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Science Sleuths: Morse Code Keywords (Grades K-4)

Use the chart above to translate words back and forth from Morse Code!

	Word	Morse Code
1	Cipher	
2		.-- .- - . .-.
3		. -.-. --- ... -.-- ... - . --
4	Beaver	
5	Indigenous	
6		... - .- .-. / --. .- --.. .. -. --.

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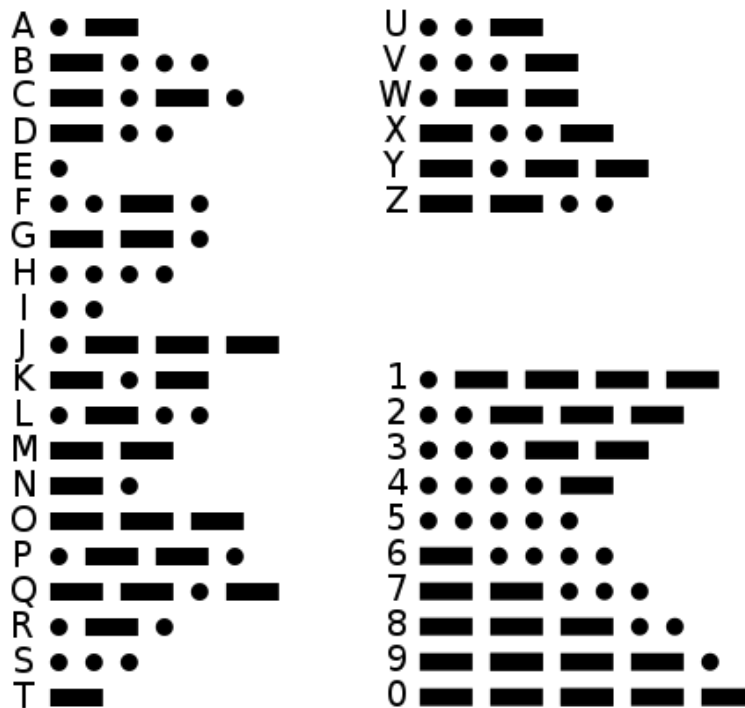| 7	Constellations	
8		--. .-. --- .-. -. -.. .-- .-- - . .-.
9		-- .-. .-. ... .-.. .- -. -..
10	Pollution	
11	Morse	
12	Code	
13		-. . -..- -
14		.. ...
15		.- - .-.. .- -. - .. ...

Thanks Rikki's Scouting Resources for the awesome diagram! [Morse Code](#)

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Science Sleuths: Morse Code Sentences (Grades 5-7)

International Morse Code

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4. The space between two words is equal to seven dots.

A ● ▬
B ▬ ● ● ●
C ▬ ● ▬ ●
D ▬ ● ●
E ●
F ● ● ▬ ●
G ▬ ▬ ●
H ● ● ● ●
I ● ●
J ● ▬ ▬ ▬
K ▬ ● ▬
L ● ▬ ● ●
M ▬ ▬
N ▬ ●
O ▬ ▬ ▬
P ● ▬ ▬ ●
Q ▬ ▬ ● ▬
R ● ▬ ●
S ● ● ●
T ▬

U ● ● ▬
V ● ● ● ▬
W ● ▬ ▬
X ▬ ● ● ▬
Y ▬ ● ▬ ▬
Z ▬ ▬ ● ●

1 ● ▬ ▬ ▬ ▬
2 ● ● ▬ ▬ ▬
3 ● ● ● ▬ ▬
4 ● ● ● ● ▬
5 ● ● ● ● ●
6 ▬ ● ● ● ●
7 ▬ ▬ ● ● ●
8 ▬ ▬ ▬ ● ●
9 ▬ ▬ ▬ ▬ ●
0 ▬ ▬ ▬ ▬ ▬

Use the chart above to decipher the message from Professor Evan.

Code	-- --- .-. ... . / -.-. --- -.. . / .. ... / - .... . / .-- . - -.-- / - --- / --. . - / - .... . -.. -- . / --. .-. -.-. .... .. -. . / --. --- .. -. --.
Translation	
Code	-.-- --- ..- / -- ..- ... - / .- ... . / . ... . .-. -.-- - .... .. -. --. / .-.. . . -. -. -. -.. / .- - .... . -. / -.-- --- ..- / .-.-. / .. -. / .- - .-. .- -. -. -. -. ...
Translation	

Thanks Rikki's Scouting Resources for the awesome diagram! Morse Code

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Code	-.-- --- ..- .-. / -. . -..- - / .- -. -.. / ..-. .. -. .- .-.. / -.. . ... - .. -. .- - .. --- -. / .. ... / .- - .-.. .- -. - .. ...
Translation	