

## **UniSA STEM Showdown**

Presented by UniSA Education Futures

## **MYSTERY MESSAGE**

Name:
The STEM Showdown is a series of STEM challenges to solve by the end of the season. You can complete the tasks individually or in small groups (up to 3 people). Make sure you write all the names of the people in your group above. The student with the most tasks completed over the season will be crowned the UniSA STEM Showdown Champion. Good Luck.
Mystery Message
The astronauts on the International Space Station have lost their standard
communication channels. They have sent a Morse Code message and you need to translate it to help rescue them.
Your Task
Listen to the message
Write down the dots and dashes

- Use the tables and charts on the next page to decode the message
- If you get stuck you can access help
- Once you have solved the message get your sheet signed

## The Decoded Message

	START							
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STEM Showdown Umpire Comments	Completed (STEM Showdown Umpire to sign)

Extension t		somoono olso to work it out
vviite a siic	ort Morse Code message and get	someone else to work it out
		only 3 coloured discs as signals (no talking described to get your number message across?
Number	Signal (red, blue and yellow	lights)
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
Send your f	favourite number using this code	to your friend. Did they guess it?
Now can yo	ou work out a code system using	the three colours for the entire alphabet?
	, , ,	et the umpire to sign the sheet below.
STEM Show	down Umpire Comments	Completed (STEM Showdown Umpire to sign)
Own Morse Code message created		
Morse Code	e message solved by someone else	
Coloured co	de system for numbers 0-9	
Coloured co	ode system for the alphabet (A-Z)	

Make sure you hand up your signed sheet to the umpire at the end of the session to have your points allocated to the leaderboard

