

Crash Landing on Mars

"A close approach of Mars provides an opportunity to send a space crew to Mars to support the existing Martian Colony which has been established for 5 years. The crew unfortunately encounter mechanical difficulties and crash land 400km from the Colony before they can send a message to the base and with most of the equipment on board being damaged. Survival depends on reaching the Colony. What do the crew need to survive the 400km trek to join the Colony? Your task is to place the list of available items in order of importance to allow the crew to reach the Colony in safety, 1 - most important and 15 - least important and give reasons why you have put them in this order."

Think carefully about the conditions on Mars.

Items recovered from Crash include:

- Box.of.matches
- Food concentrate
- Fifteen metres of nylon rope
- Parachute Silk
- Solar powered portable heating unit
- Two 45 calibre pistols
- One case of dehydrated milk
- Two 45kg tanks of oxygen
- Star map
- Self-inflating life raft with CO₂ bottle
- Magnetic Compass
- Twenty litres of water
- Signal flares
- First-aid kit containing injection needles for vitamins, medicines,etc.
- Solar-powered.FM.receiver-transmitter

School Group Entry.....

Name:

Email.....

Address.....

State.....Postcode.....

Phone contact.....

Post your entry to:

Crash Landing on Mars Competition
Ballarat Observatory
P.O.Box 284
Ballarat 3353

or

Email to:
bas@cbl.com.au with the subject heading 'Crash Landing on Mars Competition

More information on 0429 199 312