The Right Stuff: Human Bioscience

A hands-on program to test an astronaut’s fitness.

The Right Stuff is an excellent introduction for students studying health, human biosciences and human performance.

Students take their own measurements using specialist equipment, including the Vital Signs Monitor, and interpret the data to calculate their fitness for space travel.

Students prepare blood slides and test urine to screen for disorders and diseases in astronauts.

They also learn why radiation is dangerous in space by creating a cloud chamber and then design effective methods of blocking different types of radiation.

Students will perform tests on their own bodies for the following data:

- Height and weight
- Heart rate
- Blood pressure
- Respiration rate
- Blood-oxygen saturation
- Hand-grip strength
- Visual acuity.

Students conduct three detailed investigations:

- Cardio-vascular fitness using exercise bicycles
- Protection from cosmic and solar radiation
- Blood and urine analysis

Year levels: Year 9 — 11.
Time: 9.30am — 3.15 pm
Cost: $25 per student plus GST. (Interstate and international students P.O.A. Please ask if your school is eligible for a subsidy.)
Maximum group size: 24 students
Minimum group size: 12 students
The Right Stuff—Booking Sheet

Bookings can also be submitted online at www.vssec.vic.edu.au

Name: ____________________________________________________________

School Name: ____________________________________________________

Address: _______________________________________________________________________

Telephone: ___________ Fax: _______________

Email address: _____________________________________________________________

Number of students attending (max 30): ______

Number of teachers attending: ______

Please nominate three dates/times in order of preference.

1. ________________________________________________________________

2. ________________________________________________________________

3. ________________________________________________________________

Bookings are popular and are allocated on a first come first served basis.

Human Bioscience - $25 (plus GST) per student. (Interstate and international students P.O.A. Please ask if your school is eligible for a subsidy.) Includes all equipment and manuals used during the program.

A maximum of 4 teachers can accompany the students at no cost.

Your reservation will be confirmed via email. You will then have one week to confirm your booking with a $100 non-refundable deposit.

If wheelchair access is required, please notify in advance.

Liability: Schools may be liable for any damage caused by their students to any equipment or furniture within the Space Centre.

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