



**The Biomechanics Initiative and Books of Discovery
present the
Australian National Biomechanics Day Grant and Textbook
Program**

The aim of the Australian National Biomechanics Day Grant and Textbook Program is to encourage NBD events to be held with Australian universities and high schools where financial restrictions impact on their ability to create or participate in a day. The program also aims to facilitate on-going engagement with biomechanics in high schools through the provision of biomechanics-related textbooks. The grant is supported by [The Biomechanics Initiative](#), the official sponsor of National Biomechanics Day, and [Books of Discovery](#).

Competitive application process. The application will include:

- (1) Applicant Information: Applicant's name, email address and affiliation. If a student, add applicant's mentor/supervisor, please.
- (2) University Information: List participating faculty and students (please add your collaborators' names; can be changed later)
- (3) Description of NBD event: briefly describe your planned activities including date, and proposed numbers of students and schools targeted
- (4) Rationale for funding: briefly provide a reason why financial limitations prevent this NBD event from being created or why the financial limitations prevent school participation
- (5) Budget: How will the allocated funds be spent to address these financial limitations?
- (6) Additional sources of funding: Is the university or an external source providing funding to help with any aspect of NBD?

Eligibility Criteria & Conditions

- Must be used for a National Biomechanics Day event registered on the NBD/The Biomechanics Initiative website, and not part of a career day / open day / student experience day that incorporate other fields as often organised by universities (e.g. a Health Sciences career day)

- Funds may be used to support the creation and facilitation of the day such as supplies, software, licenses, equipment at either the university or the school. Funds are not to be used for salaries or stipends.
- A report describing the day will be made available to Paul DeVita and will be published as a news article in the ANZSB newsletter following Australian NBD

Three successful grant applications will be awarded with the following:

- (1) US\$400 funding to support NBD event expenses for either the university or the high school. A maximum of one grant will be provided to an institution.
- (2) The textbook "[Trail Guide to Movement](#)" will be distributed to participating high schools.

Notes:

- (1) Due Date of Applications: **Friday February 26, 2021.** Expected Outcome Date: Friday March 12, 2021.
- (2) NBD will provide guidance and assistance on how to develop and host these events. See NBD Guidelines document through this link:

[NBD Suggestions and Ideas](#)

on the home page of [The Biomechanics Initiative](#) website.

- (3) **Virtual events are acceptable as NBD entries** in the light of extended pandemic requirements including social distancing and participant limits to organized events.

Examples of virtual events could include but are not limited to:

- a) A video tour of your Biomechanics Lab with demonstrations of various instruments and procedures. For example, show 3D motion capture and then the results of the analysis on V3D.
- b) Describe a series of Biomechanics experiments that high school students can do at home or in school. For example, many students have phones with accelerometers and other sensors and video cameras that can be used to measure human or animal movements. Perhaps these can then be analyzed with Kinovea or similar software.

Applicants should provide the above information in a document, using the 6 items to structure the application, and then return to Ben Hoffman (ben.hoffman@usq.edu.au) by the due date.

For any queries regarding this program, please also contact Ben Hoffman.

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Biomechanics
Day April 7, 2021**



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**National
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