



2021 STEMfooty Expression of Interest Form

Thank you for your enquiry about participating in the **2021 STEMfooty program**. This document outlines frequently asked questions and provides information to help you determine if your school would like to be a part of STEMfooty. Please note this is **not** an acceptance letter but an expression of interest to participate in the program in Terms 1, 2, 3 or 4 in the 2021 school year. Not all schools that apply will be able to participate. Schools will be notified if they are successful or placed on the waiting list.

About STEMfooty:

The Adelaide Football Club (AFC) recognises that part of being an elite sporting organisation is a duty to give back to the community. In partnership with the Crows Children's Foundation, which exists to support children in need through health, education, wellbeing and leadership, the AFC has developed STEMfooty.

STEMfooty is designed to address the significant growth in STEM-related jobs and the continued decline in student engagement in Science, Technology, Engineering and Mathematics.

The objective of this program is:

To translate Australian kid's, love of AFL into an appreciation, understanding, and passion for the science and mathematics underlying the sport. By demonstrating the natural connection between sport, science, and mathematics, students are encouraged to identify and appreciate the ever-present relevance of STEM concepts in all facets of life, particularly sport, to extend their learning.

How does this STEM initiative differ from other STEM projects?

STEMfooty:

- Uses a non-traditional setting, sport as a medium to teach traditional STEM principles
- Uses both experiential and contemporary academic approaches to engage students
- Encourages students who may not be traditionally inclined to engage in STEM subjects ('sporty kids') to see the application of STEM in their interest areas
- Encourages students already STEM inclined to consider the application of their STEM skills in a field they may not traditionally be inclined to (sport & rec)

This concept has been tried and proven overseas in partnership with US Baseball, Basketball and Soccer teams by the Science of Sport (a not-for profit foundation dedicated to developing STEM curriculum in the United States of America).



STEMfooty REGISTRATION FORM



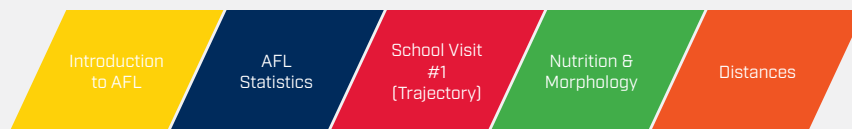
What is the structure of the 2021 STEMfooty 10-week program?

STEMfooty:

- Is a 10-week collaborative partnership between the participating school, classroom teachers and the Adelaide Football Club.
- Is specifically designed for Year 7 students to participate in 5 units, aligned to the ACARA curriculum, free of charge.
- Schools can choose to complete the units over the 10 weeks as they see fit. We recommend either a 1 unit every 2 weeks approach (5 hours a week) or integrating across the STEM and PE programs to present the unit in a focused 5-week block (10 hours a week).

Participating schools:

- Commit to sending the teachers delivering the program in their school to a teacher Professional Learning event prior to the start of the program.
- Are issued a **loan** STEMfooty kit (valued at \$2000) to assist in the practical delivery of the units at school.



Out of the 5 units, 4 are delivered by the classroom teacher on site. At approximately week 5, the STEMfooty team visit the school and run a session on the 'Trajectory of an AFL football.'

Differential Phases of STEMfooty

The units are based around the pedagogy of Differential Learning and the units are broken into 3 phases. The phases enable teachers to employ several learning options, provides numerous opportunities for the development of STEM knowledge and skills, and accommodates multiple learning abilities and styles.

Phase 1: Class Activity / Discussion

- STEMfooty concepts are introduced to the students via whole class activity and discussion

Phase 2: Exploration Task

- Students are given the opportunity to build upon the STEMfooty concept presented through an exploration task, either written or, where possible, practical

Phase 3: Extension and Group Work Challenges

- Students have the opportunity to process and apply the STEMfooty concept of the lesson through extension activities and group work challenges



STEMfooty REGISTRATION FORM



STEMfooty

2021 EXPRESSION OF INTEREST FORM

If you wish to register your school interest in participating in the STEMfooty program please complete the following form and email back to stemfooty@afc.com

Please note this is not an acceptance letter but an expression of interest to participate in the program. Schools will be notified if they are successful or placed on the waiting list.

SCHOOL NAME:

ADDRESS:

CONTACT NAME:

PRINCIPAL'S NAME:

LEAD TEACHER/
ROLE AT SCHOOL:

CONTACT NO.:

Details of classes that wish to participate:

CLASS NAME:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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NO. OF STUDENTS:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Select which term you would be able to participate in:

Term 1

Term 2

Term 3

Term 4



PROUD PARTNERS OF STEMFOOTY



STEMfooty REGISTRATION FORM



If we are successful, we understand our commitment is:

- Allocate, send and cover the costs of all representative teachers to the Teacher Professional Learning event prior to the start of the program.
- Complete pre and post surveys and tests on the participating students and present the data to the AFC STEMfooty team.
- Duty of care of students attending the week 5 visit on the school site.
- Return the STEMfooty Kit in working order and replace any missing items.
- Respect the Intellectual Property of the resources and agree not to distribute them outside of the program.
- Have fun and give open and honest feedback to the AFC to improve the program beyond 2020.

Sign:

Lead Teacher of school registering interest

Sign:

Principal of school registering interest

Date:

