



**Akorn** Education

# 'ENGINEERING DAY' STEM WORKSHOP

Engage young children, their parents and/or grandparents with a fun and exciting School Holiday STEM Challenge!

**MELBOURNE & REGIONAL VICTORIA**



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# ABOUT AKORN EDUCATION



Akorn has linked communities to learning since 2001.

Akorn's Director, Adam Oldmeadow, uses his background as an engineer and passion for learning and teaching to inspire and empower students to study STEM subjects and pursue a STEM career.

Our programs offer tangible positive benefits to students, industry and the broader community. The key focus is on learning problem-solving techniques which are then applied to a project brief given to the students by the community partner.

Leadership development is a key focus of all the programs offered by Akorn.

**22+**

Years of operation

**300+**

Successful programs

**20,000**

Excited students

**150+**

Satisfied Schools



# ENGINEERING DAY; A STEM CHALLENGE



## Brief

Work in a custom built team (any make up, from family to new friends) to complete our engineering design and prototype challenges.



## Key Features

To ensure an even playing field, each design and prototype is undertaken using a set amount of resources and our specialised equipment.



## Project Deliverables

The required outcomes of each engineering challenge are clearly explained on the day. When time allows, we ask each team to showcase their idea.

# LOGISTICS



## Available in Melbourne and surrounding regional areas

Akorn transports facilitators, equipment and resources to your venue. If the program is large (3 sessions), we may deliver materials in advance.

The organisation invites people from their community and is responsible for ticketing.

## 25

Children per session

## 1-3

2 hour sessions per day

## 25+

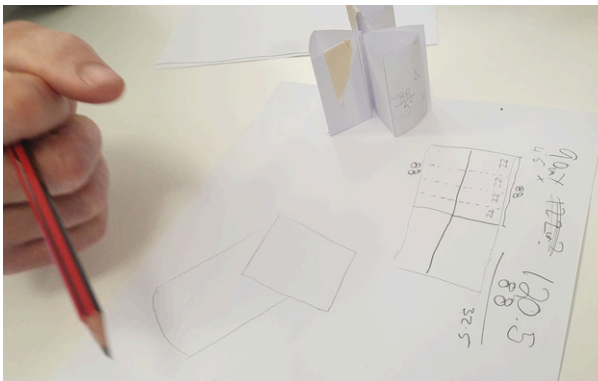
Accompanying parents/guardians per session

## 8-13

Suggested age of children



# OUR APPROACH



## Student lead work

Akorn provide a challenge to the students and let them solve it. We provide support when asked.



## Expert facilitation

Our facilitators have a background in a STEM field such as engineering. Facilitators are vetted, trained and have current Working With Children Check cards.



## Collaboration is key

We allow space for students to discuss, deliberate, and constructively argue! Children are our future. The sooner we empower them to enact positive change, the better.



## Pride in work

Akorn provide ample opportunity for students to take pride in their work. Students are responsible for presenting their solutions and communicating the benefits of their design.

→ BENEFITS

# WHY BOOK THIS PROGRAM?



## Community Engagement

Tick all of the boxes:

- Attract new members of the local community to your Library/Organisation
- Create opportunities for schools and students regardless of their background and circumstances
- Promote Sustainability.
- Social Responsibility.
- Give back.
- Benefit the community.
- Raise awareness of the great initiatives that your company supports.



## Promote careers in STEM

This program entices a broader range of students to pursue a STEM career, at the point of the schooling journey that too many students shy away.

The field of STEM is ever expanding. Society and companies need more STEM-skilled workers.

# PROGRAM FEEDBACK



"Thank you Akorn Education for delivering an action-packed Engineering Day!

It was delightful to see the library buzzing with family's keen to stretch their maker skills and share their love of all things STEM.

The depth of engineering content the presenters covered while engaging a range of ages was seriously impressive and a testimony to the presenter's experience!

Families were guided through the engineering design process and fun warm up exercises. The excitement increased when the main challenge was posed, and the special tools and materials revealed. Prototypes poured out in a rush of ideas and conversation.

The pride on children's faces as they explained their build and the positive comments staff overhead as families left the session filled our library with great energy.

Partnering with Akorn has allowed us to offer an exciting school holiday event to our upper primary library patrons and we found the event attracted a range of new faces too!

All aspects of the session were carefully planned and resourced leaving our staff able to rove and support families. Communication was open and prompt allowing everyone to feel prepared for the big day.

Thanks again."

**Georgia, Hobsons Bay Libraries**



"We had such a wonderful and rewarding experience with Akorn Education in one of their engineering days! They offer children a wholesome hands-on experience with a challenge to their imagination and problem-solving ability.

For kids like my son, who often come up with random ideas but barely take any action, Akorn does a good job of motivating them and offering a great learning environment. Kids are exposed to challenges in real life and learn to convert their solutions into real constructions. I highly recommend their programs."

**Carol, Parent**





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# CONTACT US (BOOK IN EARLY!)



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