

Engagement in Science

**Addressing the challenge
to inspire students
of all ability levels**



For Christ's Crown & Covenant

**Lesli
Findlay**

**How much do
YOU
like science?**

5

4

3

2

1

**How much do
YOU
like science?**

**What about your
STUDENTS
?**

5

4

3

2

1

**How much do
YOU
like science?**

**What about your
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Passionate about science...

A microscopic image showing several green, filamentous structures of Spirogyra algae and smaller, more rounded cells of Euplotes. The background is dark blue with some light blue speckles. The text "Euplotes & Spirogyra Algae" is overlaid in the center in a white, outlined font.

Euplotes
&
Spirogyra Algae

**Enabling students
to have
feel-good experiences
in science
promotes
their engagement
and excitement
in science**

5

4

3

2

1

1. Creating something beautiful

Crystal Growing

2. Becoming a famous scientist

School Newsletter

3. Pursuing their own scientific interest

Science Fair

4. Participating in a Stem Challenge

Science Club

1. Creating beauty

- inclusive***
- surprising***
- fun***
- scientific***



***Dr Ghanem
President
RACI
ACT Branch***

**Feeling
good!**



Lunch time excitement

“they look like diamonds!”

Feeling
good!



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ACT BRANCH

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Crystal growing guidelines have been prepared by ACT science teacher Lesli Findlay and can be viewed at the following link: [Growing Crystals for RACI Competitions](#)

The aim is to grow the best possible crystal of potash alum or another substance over a period of 6 weeks during Term 2, closing on Friday 6th July 2018. Winners will be announced during National Science Week (12-20 August 2018). Crystals will

Growing

Alum

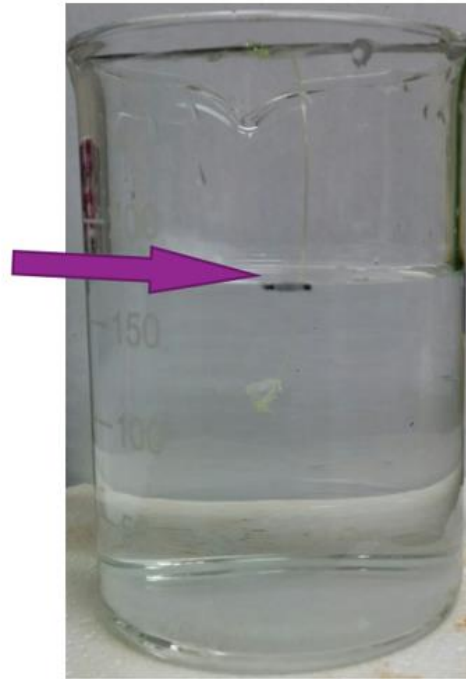
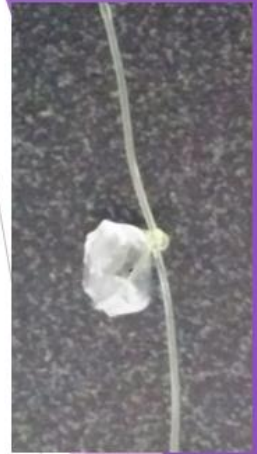
Crystals



Day 1 : Supersaturated Alum solution

Day 2-5 : Seed crystals

Day 6: Begin growing a single crystal



Day 7 onwards: Check Crystal Growth

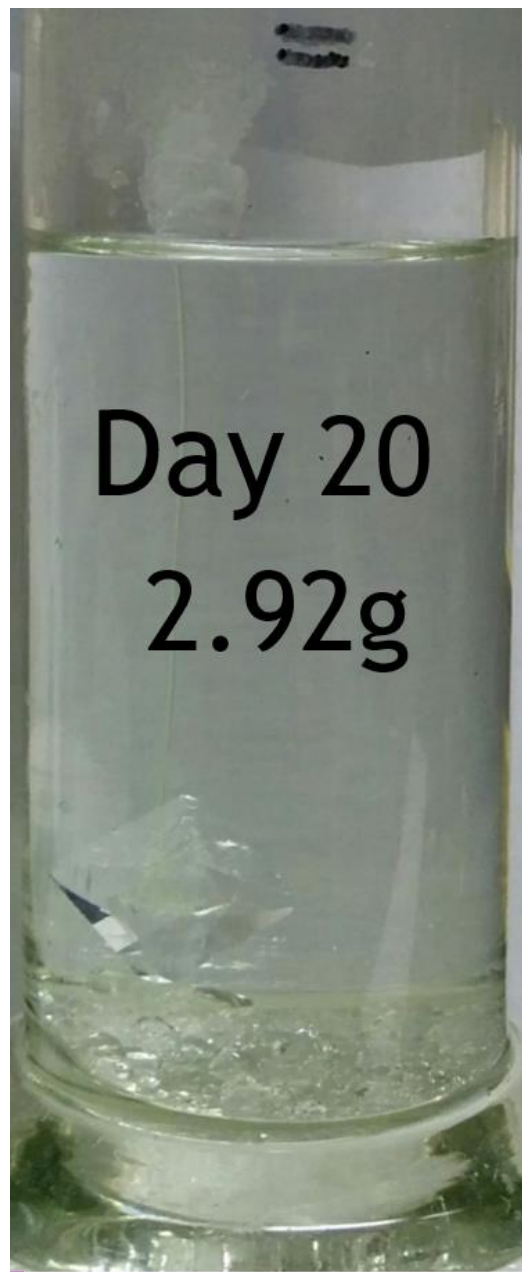


Clean
Crystal

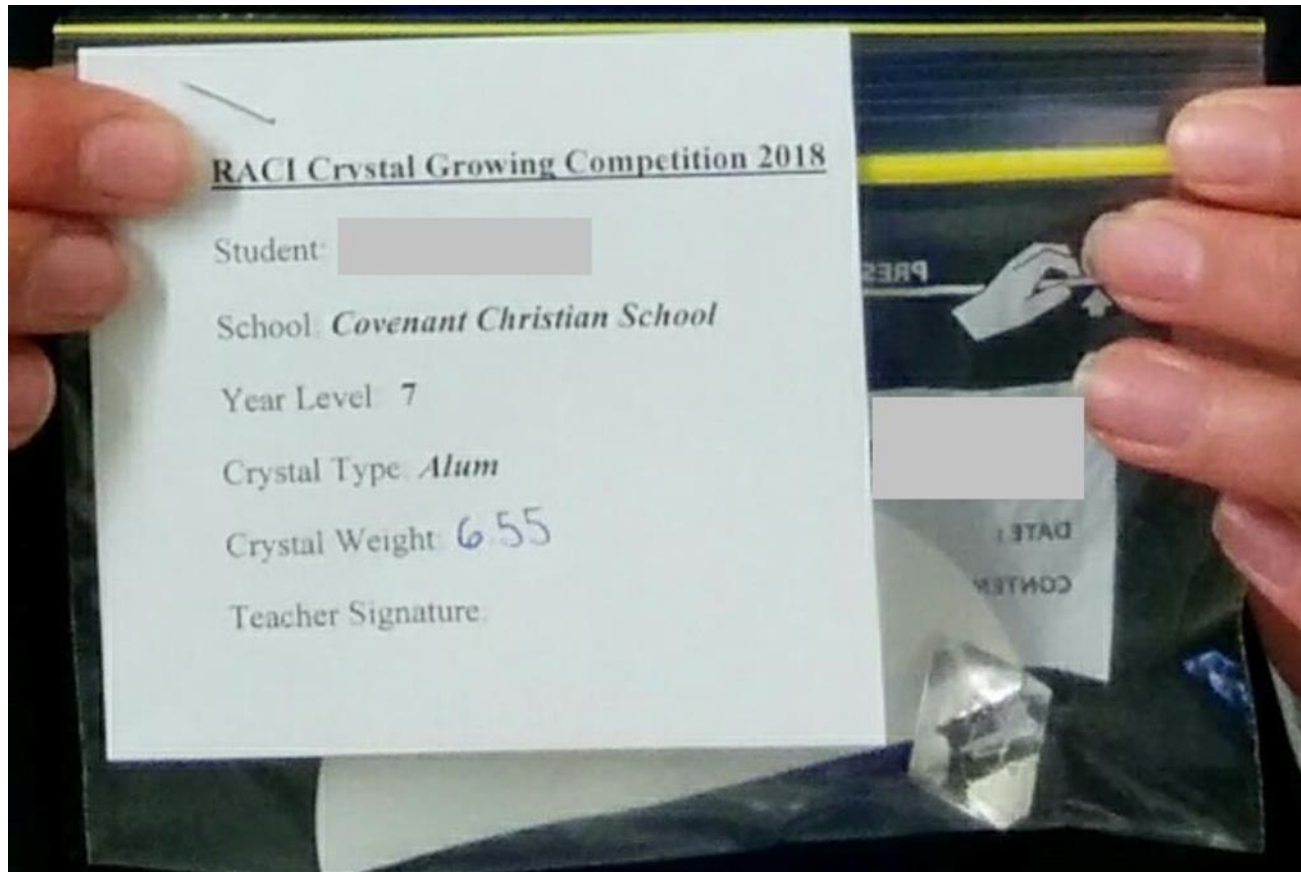


Re-saturate
Solution

Excitement and Decisions



Final Day: Harvest your crystal



Send
to: Dr Ashraf Ghanem
University of Canberra
Building 3, Office C42, 2601 ACT

Experience the
joy of creating
beauty...



... and perhaps
the thrill of
winning
a national
competition!



1. Creating something beautiful –



Crystal Growing

2. Becoming a famous scientist –

School Newsletter



YRS 7 & 8 SCIENCE

Years 7 and 8 students are learning about Body Systems. The topic began with a fun and engaging activity of making life-size posters of the body and cutting and gluing organs in place - according to their understanding. Misconceptions are gradually being addressed!

This week's focus on the respiratory and circulatory systems included identifying the trachea, lungs, heart, liver and oesophagus of a lamb. Students were able to: follow the path of air through the trachea, bronchi and bronchioles, try to inflate the lung with air; compare the density of liver and lung flesh and remove the heart intact with segments of the main blood vessels attached for dissection in a later lesson.

Mrs Lesli Findlay - Science Teacher

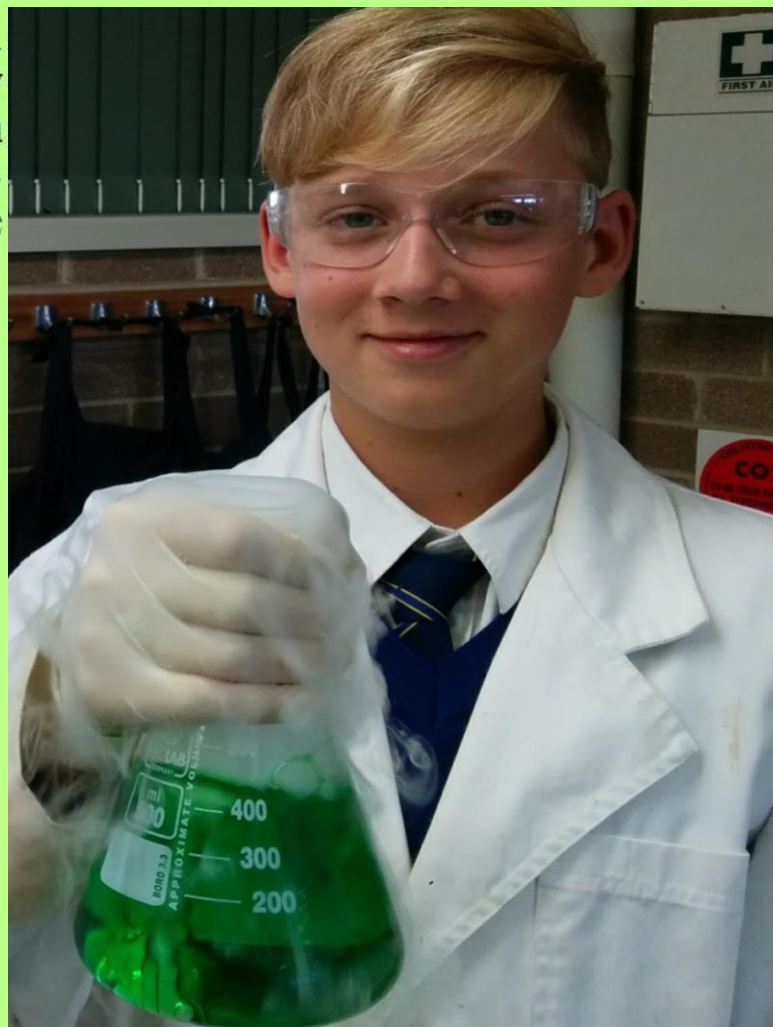


Feeling
good!

States of Matter

Years 7 and 8 have been learning about the States of Matter in Science.

Experimenting with dry ice (frozen carbon dioxide -78°C) was a great way to explore concepts of sublimation



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School Newsletter



3. Pursuing their own scientific
interest



Science Fair

Pursuing their own scientific interest



Science Fair Award

Feeling
good!



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Science Fair

4. Participating in a STEM Challenge -

Science Club



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Questions

**Share and
connect ?**

Acknowledgement & Thanks



For Christ's Crown & Covenant

CCS Colleagues



**ACT Branch
President 2016-18
Dr Ashraf Ghanem**

