

E=mc² THE MUSICAL

2026 PROGRAM



$E=mc^2$ The Musical.
You'll never look at
physics in the same way!



A Haberfield Public School (HPS) Production with the support of the HPS P&C and the Wests Ashfield Leagues Club.

7, 8 & 9 May 2026.

MUSIC

David Collins-White

LYRICS

David Collins-White
and Chris Kohn

SCRIPT

Chris Kohn

MUSICAL ARRANGEMENTS

Lindsay Scandrett

ORIGINAL DESIGNS

Josh McIntosh



MESSAGE FROM THE RELIEVING PRINCIPAL

This year's performance takes us on an exciting adventure through time, imagination and discovery.

Our students step into the unknown as they build a time machine, traveling back to explore the brilliance behind Albert Einstein's famous formula, $E=mc^2$.

Along the way, they encounter the ideas, challenges and breakthroughs that have shaped our understanding of the world, celebrating both the scientists of the past and the innovators of today.

This journey has been more than just a performance - it has been one of creativity, collaboration and courage. New friendships have been formed, confidence

has grown and our students have embraced the joy of learning through the arts.

I thank Mr Collins-White and the $E=mc^2$ Production Team for sharing their passions and talents and for their tireless hard work bringing this musical to life.

We invite you to sit back and enjoy this inspiring voyage through time. May it spark curiosity, celebrate imagination and remind us of the power of dreaming big.

—
Kristy Haggett
RELIEVING PRINCIPAL



A WORD FROM THE COMPOSER & DIRECTOR

A separate musical could be written about the journey to the launch of $E=mc^2$ The Musical.

What started with my involvement in music mentoring in a far north Queensland primary school led to a more extensive discussion with well-known Aboriginal leader Noel Pearson. This discussion was about one of the most famous science formulae and how we might translate a moment in history into a musical.

That first discussion was in July 2020. This led to the trial performance by all students at Haberfield Public School via video. Singing was not permitted between grades, state borders were closed, and zoom conferences were the only way we could continue our project.

Through YouTube, we broadcast the world premiere of $E=mc^2$ by

students of Hope Vale school in Cape York in September 2021.

But our October efforts to premiere in Haberfield were hampered by Sydney's second lockdown.

We managed to mount the production with a wonderful result in 2022.

Now 4 years later a new 2026 production of $E=mc^2$ with a talented new cast and crew is presented.

I wish to thank the Haberfield students and all collaborators in this second journey.

—
David Collins-White
COMPOSER & DIRECTOR



SYNOPSIS

Sarah and Jack are students who love their science and take school projects very seriously! They build a time machine powered by 'brain energy' to visit the 'Ancestors' of Albert Einstein's famous formula $E=mc^2$.

They recruit Jack's sister Laura and his football-loving friend Dave to balance the brain energy needed for their time travel adventure.

They'll visit the extraordinary scientists behind the famous equation $E=mc^2$. Michael Faraday, the 'E' man, Antoine and Marie Anne Lavoisier, the 'M' people, Albert and Mileva Einstein, who enlighten them to the importance of light, the 'C' part, and finally, Émilie du Châtelet who explains the purpose of the little number 2 that floats above the 'C'; the all-important 'squared'.

But as brilliant as our time-travellers are, something goes

wrong at the touch of a button, causing everyone to shrink to subatomic size. Here they meet the protons, neutrons, and electrons inside the atom. Escaping before Lise Meitner uncovers the secret to splitting the atom, they hear the tragic story of Lise's life journey. And where are the 'Women of Science'? Laura is outraged history has almost forgotten them.

Follow Sarah, Jack, Laura and Dave as they journey through time to deliver their $E=mc^2$ science project to the class and receive an outstanding result for their work.



It will use our brain energy to propel all of us – that includes you in the audience – it will propel all of us through wormholes in the fabric of space-time, and can take us to any place or time in history. Its full name is the Dynamic Energy Aggregator To Help Traverse Relativity And Positionality. Or D.E – A.T.H T– R.A.P for short.

SARAH



Cast & Crew

SCIENCE STUDENTS

Bianca Kurek

SARAH

I want to be an actor when I grow up so I wanted to be in this musical.



Rohan Lim

JACK

I decided to try out for the musical because I thought it would be a good learning opportunity.



Tobias Fu

DAVE

I wanted to join the $E=mc^2$ musical because I like songs and dancing with my friends.



Molly Bain

LAURA

I wanted to be in the $E=mc^2$ musical because I love to act and sing and dance. It has been fun with my teachers helping me.



SCIENTISTS

Dylan Barker

ALBERT EINSTEIN

I like drama and dancing so I wanted to be in the musical.



Arthur Alexander

OTTO HAHN/CHORUS

I wanted to be in $E=mc^2$ because this is the first play that I have been able to try out for at school.



Jemma Philip

MILEVA EINSTEIN

I wanted to be in the cast of $E=mc^2$ because I love acting and singing.



Lara Otavski

MARIE-ANNE LAVOISIER

I wanted to be in the musical because I love acting and science.



Reuben Ford

ANTOINE LAVOISIER

I auditioned because my parents wanted me to and I wanted to see what it was like.



Django Wakeford

MICHAEL FARADAY

I chose to try out for the musical so I could act in front of a crowd and have fun with my friends!



Jessica Ho

ÉMILIE DU CHÂTELET

I love seeing how women have had an important role in science.



Isla Campbell

LISE MEITNER/CHORUS

I love learning about history and science, as well as singing and acting.



MULTI PERFORMANCES

Hannah Aitken

ANNOUNCER/CHORUS

I couldn't wait to jump at the chance of being in the $E=mc^2$ musical because I love singing and the theatre, and science !



Julian Sant'Ana

CHORUS/LEAD ELECTRON

I wanted to be in the musical because I like singing.



Amelia Tai

CHORUS/LEAD NEUTRON

I like to be in plays so I wanted to be in the musical.



Ara Bannerman

CHORUS/LEAD PROTON

I love singing and dancing so I wanted to be in the musical.



Aadesh Bannerman

CHORUS AND WOMEN OF SCIENCE

I joined the musical because it is a good opportunity to practise performing on stage.

**Alexa Sevil**

CHORUS

I like drama, dancing and singing and I like to face my fears by being onstage.

**Angelina Chan**

CHORUS

I chose to try out for the musical because I enjoy science and I wanted to experience what it's like to be in a musical show.

**Claire Yixuan Li**

CHORUS

I wanted to be in the musical because I love drama and music. I wanted to learn about the history of what each letter represents in $E=mc^2$.

**Clancy Page**

CHORUS

I wanted to be in the musical because I like science.

**Elijah Hunt**

CHORUS

I decided to try out for the musical because I just love performing and going on the big stage. I was interested in the $E=mc^2$ topic too.

**Elin Metcalfe**

CHORUS

I love to sing and dance, especially with my friends, so this musical mixes acting with the things I love best so I had to try out!

**Frankie Gettings**

CHORUS

In year 2 I saw $E=mc^2$ the Musical and thought it looked like fun so when the opportunity arose I took it.

**Hazel Greenlees**

CHORUS

I thought it would be a good experience to be in the $E=mc^2$ performances.

**Isabelle Cooté**

CHORUS

I wanted to join $E=mc^2$ because I love singing and dancing.

**Leo Valenti**

CHORUS

I joined the $E=mc^2$ musical cast because I am interested in science and it's a great opportunity.

**Marley Berghofer**

CHORUS

I auditioned for $E=mc^2$ because I love the feeling of being onstage and trying my best.

**Mavis Weitzel**

CHORUS

I chose to be in $E=mc^2$ because I like performing.

**Mila Azzam**

CHORUS

I wanted to be in the musical because I love acting and drama, and I wanted to know about $E=mc^2$.

**Oleni Zoidis**

CHORUS

When I was in year one I saw this musical and I never thought I could actually be in it. My chosen career is being a singer and actor so when I found out I was in it was the BEST news ever.

**Ophelia Chan**

CHORUS

I wanted to be in $E=mc^2$ because I love acting and singing.



CHORUS (CONT.)

Piper Edmondson

CHORUS

I love singing and I love acting so I auditioned for the musical.



Quinn Gettings

CHORUS

I wanted to be in E=mc² because it looked like fun.



Scarlett Page

CHORUS

I chose to be in the musical because I love acting and drama.



Stella Coburn

CHORUS

I love singing and dancing... that is why I wanted to join the E=mc² cast.



BACKSTAGE CREW

Sebastian Lucarotti

STAGE CREW

I wanted to be in the backstage crew of E=mc² so I could have fun setting up the props.



Walter Burnell

STAGE CREW

I joined the backstage crew for the musical because I saw it 4 years ago and I thought it was fun.



Jamila Mohamed

STAGE CREW

I'm eager to be in the backstage crew because I love art and I like moving things.



Audie Gesmundo Stopka

STAGE CREW

I wanted to be in the stage crew to be involved and help my school with this show.



Jack Von Dinklage

STAGE CREW AND MEDIA

I joined the E=mc² team because I wanted to contribute to a big show and I thought it would be fun to help.



Cody de Jersey

STAGE CREW MEDIA AND CONSTRUCTION

I wanted to see what the backstage crew could make and create for the show, and I feel proud about what people are using on the stage.



Zayyan Zuberi

STAGE CREW EINSTEIN

Four years ago I watched E=mc² and was amazed by the performances and teamwork, and I dreamt of being part of that. Now my dream is a reality!



Ruby Lee

STAGE CREW

I joined the musical because I wanted to be part of a team and learn how to work with other people to build a show.



Flynn Philip

STAGE CREW AND CONSTRUCTION Lavoisier

I joined the crew because I wanted to have fun and learn to work backstage.



Sophia Rozzo

STAGE CREW AND CONSTRUCTION

I really wanted to be in the backstage crew to learn and to make things as I like art.



Lachy Campbell

STAGE CREW AND CONSTRUCTION

I wanted to join the musical to sing the stardust song but I missed the auditions so I did the backstage crew.



Kieran Martin

STAGE CREW

I thought it would be a great opportunity and I would have fun.



Isla Eastwood

FRONT OF HOUSE AND MEDIA

I want to be an actor when I grow up so I wanted to be in this musical.



Oscar Kingston

AUDIO

I decided to try out for the musical because I thought it would be a good learning opportunity.



Clancy Saville

FRONT OF HOUSE AND CONSTRUCTION

I wanted to join the $E=mc^2$ musical because I like songs and dancing with my friends.



Tully Saville

FRONT OF HOUSE

I wanted to be in the $E=mc^2$ musical because I love to act and sing and dance. It has been fun with my teachers helping me.



Penny Tao

FRONT OF HOUSE AND MEDIA

I like drama and dancing so I wanted to be in the musical.



Matilda Burnell

FRONT OF HOUSE

I wanted to be in $E=mc^2$ because this is the first play that I have been able to try out for at school.



Melissa Peng

FRONT OF HOUSE

I wanted to be in the cast of $E=mc^2$ because I love acting and singing.



SCENE LIST

- 1. Intro "Hero of the Day"**
CHORUS, ANNOUNCER AND ALL CAST MEMBERS
- 2. Energy - Faraday's Engine "Faraday and Faith"**
FARADAY, DAVE, SARAH, LAURA AND JACK
- 3. Mass - Lavoisier Diamond Show "Mass Waltz"**
ANTOINE AND MARIE ANNE LAVOISIER, DAVE, SARAH, LAURA AND JACK
- 4. Celeritas - Einstein's Thought Experiment "Celeritas Dominus"**
CHORUS, ALBERT AND MILEVA EINSTEIN, DAVE, SARAH, LAURA AND JACK
- 5. Squared - Châtelet's Falling Ball "Je suis désolé"**
ÉMILIE DU CHÂTELET, ALBERT AND MILEVA EINSTEIN, DAVE, SARAH, LAURA AND JACK
- 6. The Atom - Building Blocks of the Universe "The Atom Song"**
ATOM CHORUS, LEAD PROTON, LEAD ELECTRON, LEAD NEUTRON, ATOM SOLOIST, DAVE, SARAH, LAURA AND JACK
- 7. The Proof Through Nuclear Fission - "Meitner Matter"**
LISE MEITNER, DAVE, SARAH, LAURA AND JACK
- 8. Addressing a Historical Imbalance - "Women of Science"**
MARIE ANNE LAVOISIER, ÉMILIE DU CHÂTELET, LISE MEITNER, MILEVA EINSTEIN, DAVE, SARAH, LAURA AND JACK
- 9. Science Presentation - "The Ancestors"**
ALL CAST MEMBERS
- 10. Returning Home - "Stardust in the Stars"**
DAVE, SARAH, LAURA AND JACK
- 11. Song - "Stardust in the Stars"**
ALL CAST MEMBERS
- 12. Encore**
ALL CAST MEMBERS



PRODUCTION

DIRECTOR AND PRODUCER

David Collins-White

MUSIC DIRECTOR

David Collins-White

CHOREOGRAPHY

David Collins-White and Scene 8
Women of Science by Luahn Rosenthal

SET CONSTRUCTION

Lachy Campbell, Flynn Philip, Sofia Rozzo
and Clancy Saville

ARTWORK AND DESIGN FOR POSTERS AND PROGRAM

Chelsey Page

PRODUCTION TEAM

David Collins-White, Alexandra Dwyer,
Santino Emmi, Deborah Madden and
Lindsay Scandrett

PARENT PRODUCTION TEAM

Georgina Jennkins, Suzie Aitken
and Chelsey Page

HABERFIELD STAFF ASSISTANT DIRECTORS

Santino Emmi and Alexandra Dwyer

STUDENT STAGE MANAGERS

Ruby Lee

FRONT OF HOUSE

Isla Eastwood, Tully Seville, Matilda
Burnell, Melissa Peng and Penny Tao

BACKSTAGE

Jamila Mohamed, Kieran Martin,
Zayyan Zuberi, Walter Burnell,
Sofia Rozzo, Jack von Dinklage
and Basti Lucarotti

Mentored by: Santino Emmy,
Alexandra Dwyer and Deborah Madden

PROPS

Flynn Philip, Lachy Campbell
and Walter Burnell

LIGHTS AND SOUND

Crystal Productions and assisted
by HPS student Oscar Kingston

HALL DRESSING

Geoff Newey - The Look

PHOTOGRAPHY

Matthew Clark and Mirna Rozzo

TICKETING AND PROGRAM

David Collins-White

COSTUMES

Michael and Fiona Shuai
and David Collins-White

VIDEO DESIGNER

Nevin Howel - Empire Slate Media

SOUND PRODUCERS

Paul Burjan, David Collins-White
and Lindsay Scandrett

WWW.ECM2.ORG.AU WEBSITE

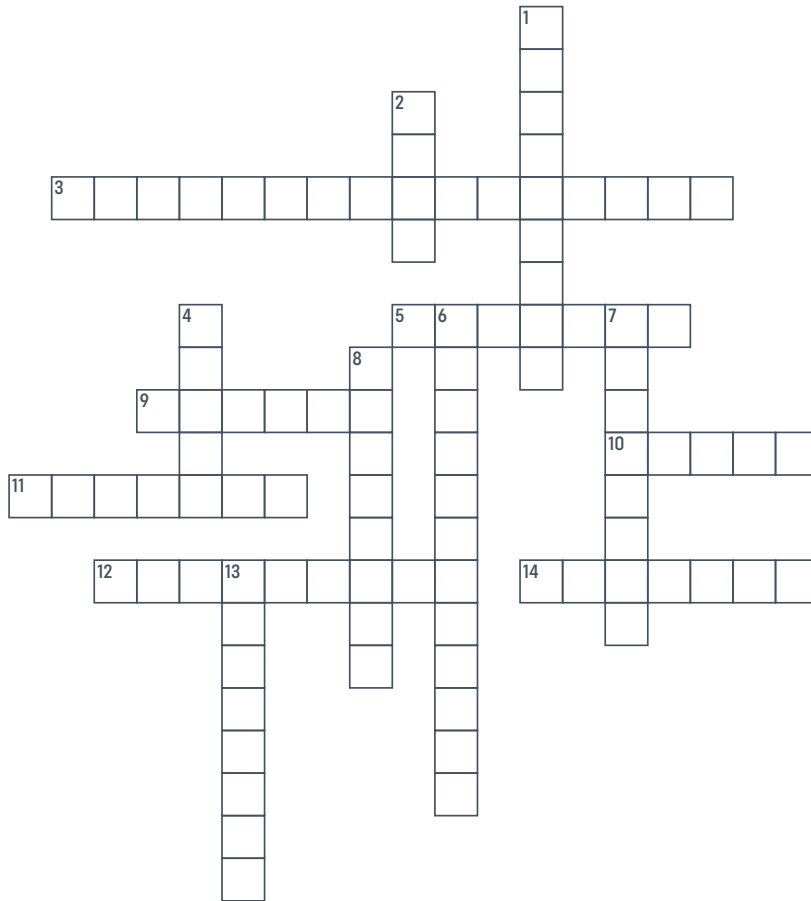
David Collins-White

STUDENT MEDIA CREW

Penny Tao, Jack Von Dinklage,
Cody de Jersey and Isla Eastwood



CROSSWORD



DOWN

1. Marie Anne & Antoine _____
2. Otto _____
4. The _____ of science
6. Surname of HPS music teacher
7. Region where musical first premiered in Australia
8. Protons, Electrons and _____
13. Mileva & Albert _____

ACROSS

3. Prof Michelle Simmons is a _____
5. The hero of the day
9. _____ du Châtelet
10. Einstein's famous equation
11. Lise _____
12. The people that came before us
14. Michael _____



THANKS

Sincere thanks to these people who supported and assisted in bringing this production to the Haberfield stage.

RELIEVING PRINCIPAL

Kristy Haggett

RELIEVING DEPUTY PRINCIPAL

Katie Martin

PARENT VOLUNTEERS PRODUCTION TEAM

Chelsey Page and
Georgina Jenkins

HABERFIELD STAFF PRODUCTION TEAM

David Collins-White, Deborah
Madden, Santino Emmi and
Alexandra Dwyer

All the staff at Haberfield
Public School.

I am SOOO confused – we are supposed to be finding out about C
– but we keep talking about light – shouldn't the next letter be "L".

A ha – well done Dave – "C" means light – it is from the latin
– Celeritas – which means speed.

DAVE AND JACK

WITH THE SUPPORT OF

HPS P&C and Wests Ashfield Leagues Club

SPECIAL THANKS TO



Theatrical Drape
Hire & Installation



HABERFIELD PUBLIC SCHOOL © 2026.