Investig8
The University of Sydney

Take part in a range of hands-on activities suited to your A•STAR CareerFinder Character. Explore the links between your strengths and interests and the opportunities available to you at university. Meet students who can share their stories and experiences of university life. Get connected with A•STAR and YourTutor.

Consider this:

- What are you good at?
- What do you like doing?

The answer to these questions should inform your study choices, because it’s easier to do what you love, including study.

We’ve planned a day of activities based on your A•STAR Character choice, to help you start thinking about your future.

1. Head to astar.tv/careerfinder
2. Complete the quiz and discover which A•STAR Character you are
3. Check out the activities we have chosen for you, based on your Character
4. Pick 4 Characters, write them on your registration slip and hand it to your teacher.
**Activity descriptions**

**Arduino programming**
Find out what it’s like to be an engineer by learning how to make your own devices – whether it be a music box, a mouse or even your own game controller!

**Beyond 1914 – the University of Sydney and the Great War**
Beyond 1914 is an interactive website of the over 2000 university men and women who participated in WWI. See digitised archives of original documents including letters, postcards and photographs.

**Creative playground in the Library ThinkSpace**
Program and drive our BB8 droid, see our 3D printer in action, experience another world with Google Cardboard, and turn an iPad into a hologram projector! Get your creative juices flowing, and change how you think about libraries.

**Designing digital products: from apps to VR**
Get involved in hands-on activities where you will be designing and interacting with new products like virtual reality headsets. You’ll also learn how to create new experiences through computer technology.

**Drawing with wax and ink**
Harness the expressive power of wax resistant methods using marbling and drawing techniques to create beautiful artworks.

**Engineers without borders**
Learn more about conditions in developing countries and how engineers play a role in improving living standards. Discover and create an ‘unsinkable’ house that could float down rivers.

**Forensic psychology and lie detection**
Are you telling the truth? We’ll put your testimony to the test in a lie detection activity. Discover how psychology is relevant to many aspects of the legal system – there’s much more to it than profiling criminals.

**From food to fuel**
Discover what cool things you can eat with liquid nitrogen and learn how to generate hydrogen and oxygen to power a small car!

**The great spaghetti challenge**
Explore architecture – its structural fundamentals and place in society. Tour our fabrication facilities and join forces in a group challenge to build the tallest structure out of spaghetti, string and sticky tape.
Guilty or not?
Ever wondered how a courtroom works? How do juries come to a decision? In a simulated courtroom, you will play the part of judge, prosecutor, defender or witness to arrive at the ultimate conclusion: guilty or not guilty?

Hands on history: handling the past
How do archaeologists use objects to learn about the past? Join us in the Nicholson Museum, handle ancient artefacts and discover for yourself!

Incidental drawing
Creativity thrives when we are given restrictions. Create an original image from the materials we provide, based on a number of set parameters. Don’t worry about the outcome, just enjoy, have fun, and get it done.

The internet of things
The Internet of things is the inter-networking of devices that collect and exchange data. A brief stop by our Tech Lab will show you just what kind of a future this will mean for you.

Investigative crime unit
Explore the legal system with current law students. In small groups, discuss and role play different scenarios which reflect crime and investigation reporting. Then discover how this affects the trial process.

Kitchen science
Chemistry is part of our everyday life from digestion to dirty dishes. Discover the phenomena of interactive chemistry within common household ingredients. Make your own chemical concoction and observe the role chemical reactions can play in making the foods we know and love.

Making your own instrumentals
Learn what is in the tool kit of the producer and how to produce your own pumping bass lines and thumping beats.

Mono-printing
Using a simple technique called mono-printing, that involves screens, ink and rubber wipers, challenge yourself to a memory game where the imitations are as original as the originals!

Mummies alive: ancient egypt
Egyptology is the study of ancient Egypt. Discover what we can learn from the Mummies and other items in the ‘Death Magic’ exhibition. Also see how archaeologists investigate the past and how this can inform the future.
Mystery medicine
Become investigators and identify the mystery medicines. Are they safe, are they legal? Will the patient survive? Be quick, the doctors need your advice and time is running out.

New media and writing for online magazines
Writing is an exciting career that can lead almost anywhere, from interviewing your heroes to breaking stories from Parliament. Learn to write for an online audience with Nick Hollins, editor of ASTAR.TV, founder of Skydreams and a contributor for Rolling Stone.

Raft building
How can we make coins float? Work in teams and learn to use scientific and mathematical principles to come up with creative solutions to physical problems!

Same, same but different – classification and adaptation in the marine world
Breathing, swimming, feeding and reproduction all require special organs adapted to a life in the ocean. Explore the basic adaptations of organisms living in the ocean. Dissect molluscs to explore similarities and differences between them.

Tooth tissues and x-rays
Look at cross section models of teeth as well as dental radiographs to identify different tooth tissues. Also have the chance to label the cross section of a molar tooth and identify the various components.

You are what you eat
As you grow, you need to fuel your body with food that is good to eat and good for your growth. Come and join us – learn about health promotion, being healthy and preparing some great snacks!
Q: What’s in the stars for you?
A: ASTAR Careerfinder APP Characters:

<table>
<thead>
<tr>
<th>Character Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>Savvy activist 1</td>
<td>Beyond 1914, Investigative crime unit</td>
</tr>
<tr>
<td>Scientific whiz kid 1</td>
<td>Kitchen science, Tooth, tissues and x-rays</td>
</tr>
<tr>
<td>Can we fix it? 1</td>
<td>Raft building, Designing digital products</td>
</tr>
<tr>
<td>What a scoop!</td>
<td>Incidental drawing, New media and writing for online magazines</td>
</tr>
<tr>
<td>Savvy activist 2</td>
<td>Mummies alive: ancient egypt, Guilty or not?</td>
</tr>
<tr>
<td>Scientific whiz kid 2</td>
<td>Same, same but different, Kitchen science</td>
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<tr>
<td>Can we fix it? 2</td>
<td>From food to fuel, The internet of things</td>
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<tr>
<td>Policy whiz</td>
<td>Guilty or not?, Beyond 1914</td>
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<tr>
<td>Cinephile</td>
<td>Creative playground in the Library Thinkspace, Mummies alive: ancient egypt</td>
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<tr>
<td>World-maker 1</td>
<td>Mono-printing, The great spaghetti challenge</td>
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<tr>
<td>Le starving artiste 1</td>
<td>Make your own instruments, Mono-printing</td>
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<tr>
<td>Sports star</td>
<td>Forensic psychology and lie detection, Mystery medicine</td>
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<tr>
<td>Smooth operator</td>
<td>New media and writing for online magazines, Hands on history</td>
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<tr>
<td>World-maker 2</td>
<td>Hands on history, Drawing with wax and ink</td>
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<tr>
<td>Le starving artiste 2</td>
<td>Drawing with wax and ink, Incidental drawing</td>
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<td>Jackaroo</td>
<td>You are what you eat, Same, same but different</td>
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<tr>
<td>Computer geek 1</td>
<td>The internet of things, Arduino programming</td>
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<tr>
<td>Blood and guts 1</td>
<td>Tooth, tissues and x-rays, You are what you eat</td>
</tr>
<tr>
<td>Rock idol</td>
<td>Arduino programming, Make your own instruments</td>
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<tr>
<td>Large and in charge 1</td>
<td>Investigative crime unit, Creative playground in the Library Thinkspace</td>
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<td>Computer geek 2</td>
<td>Designing digital products, Raft building</td>
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<tr>
<td>Blood and guts 2</td>
<td>Mystery medicine, Engineers without borders</td>
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<tr>
<td>Heart of gold</td>
<td>Engineers without borders, Forensic psychology and lie detection</td>
</tr>
<tr>
<td>Large and in charge 2</td>
<td>The great spaghetti challenge, From food to fuel</td>
</tr>
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Register me

Student name: ...............................................................................................................................................

Class/Year: ...................................................................................................................................................

School name: ................................................................................................................................................

Choose FOUR Characters and write them down.

1. ........................................................................... 3. ............................................................................
2. ........................................................................... 4. ............................................................................

Spaces are limited per Character and they fill up quickly. We will do our best to ensure you are assigned to one of your preferences. Give this registration to your teacher. They will register you. Registration closes Friday 19 May 2017.
WHAT’S IN THE STARS FOR YOU?

Discover a pathway to your future

DOWNLOAD THE CAREERFINDER APP!

www.astar.tv/careerfinder
Information about the event

What should you wear?
Please wear your school uniform with closed toed shoes. No thongs or sandals are allowed. Some activities are held outdoors so bring your hat and suncream.

Do I bring food and drinks?
Yes. Please bring your own recess, lunch and drinks. There are no options to buy food or drinks onsite and food is not provided.

Where is it held and how do I get there?
Investig8 begins in the Eastern Avenue Auditorium, Camperdown Campus. Your school will arrange transport to and from the University of Sydney.

Program for the day
10.00am Welcome and opening
10.30am Morning Tea commences
11.00am First activity commences
12.00pm Second activity commences
12.45pm Lunch commences
1.25pm Wrap up and closing presentation
2.00pm Depart

During the lunch break you can visit the A•STAR marquee or take a snap with your CareerFinder Character.

How do I register and what does my teacher need to know?
Use this brochure to select four Character experiences that you would like to do – in order of preference.

Return your preferences to your teacher. They will register for you in two activities. Please make sure your teacher is aware of any medical conditions you may have, so we can keep you safe.

Registration closes on Friday 19 May 2017.

Information for parents and guardians

Photography
The University of Sydney would like to photograph students participating in the activities associated with this program. The photographs will be used for a range of purposes, but principally for use in materials produced by the University of Sydney. Photos may be used by third and external parties to the University of Sydney.

If parents/guardians do not wish for their child/ward to be photographed by the University of Sydney please notify the school and the student will be issued an identifying red tag so they are not photographed.

A•STAR
Visit ASTAR.TV – to see videos, photos and hear stories first hand from students about their experiences on the Wingara Mura-Bunga Barrabugu programs and learn about what it’s really like to go to uni. Read about the latest music, arts, technology, and sports news and stay in touch with what’s happening in the world.

Contact us
If you have any questions, contact:
WPO Events on 02 8627 8515 or email: wpo.events@sydney.edu.au

Front Cover Image: History is Made at Night, 2013, Daniel Boyd. Image courtesy the artist and Roslyn Oxley9 Gallery, Sydney.

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