

# Questions for discussion

Episode 28  
14<sup>th</sup> October 2014

## War Mission

1. In which year did Australia become a nation?
2. Which war was Australia fighting in at the time of federation?
  - a. WWI
  - b. Boer War
  - c. Korean War
3. Name three other wars that Australia has been involved in.
4. What is the military's mission in Iraq?
5. Describe Australia's involvement in the mission.
6. How has Tony Abbott described Australia's involvement?
7. What reasons does Tony Abbott give for it **not** being called a war?
8. Why might the Prime Minister want to avoid calling the mission a war?
9. What do people who disagree with the Prime Minister say?
10. What do you understand more clearly since watching the BtN story?

Create a timeline that shows Australia's involvement in war.

Do the quiz on the BtN website <http://www.abc.net.au/btn/quiz.htm>

## Burka Ban

1. Discuss the *Burka Ban* story with another student. Record the main issues raised in the discussion.
2. Eman's family are \_\_\_\_\_ which means they follow the religion of \_\_\_\_\_.
3. Which type of Islamic headwear do Eman and Manal wear?
4. Why do they choose to wear it?
5. Describe the differences between the hijab, niqab and burka.
6. Why are some people calling for the burka to be banned from public places?
7. What is the Prime Minister's viewpoint on this issue?
8. How have some people responded to Eman wearing a hijab?
9. What does Eman want people to understand about Islamic headwear?
10. What's your opinion? Should Muslim women be banned from wearing the burka in public places? Explain your answer.

Check out the BtN *Burka Ban* resource on the Teachers page

<http://www.abc.net.au/btn/teachers.htm>

Vote in the BtN poll. Go to <http://www.abc.net.au/btn/polls.htm>

## Space School

1. Before you watch this story, make some predictions about what you think it will be about.
2. Describe what the students were doing at space school.
3. How many times has Jean Francois Clervoy been to space?
4. How do the students benefit from working with an astronaut?
5. Jean Francois compares lift-off to what?
6. What did the kids learn at space school?
7. How did they describe the experience?
8. Finish the following sentence: Space school is about inspiring kids to become...
9. Name three facts you learnt watching the *Space School* story.
10. What was surprising about this story?

Check out the BtN *Space School* resource on the Teachers page  
<http://www.abc.net.au/btn/teachers.htm>

## Outdoor Class

1. Describe the challenge the school kids in the BtN story set themselves.
2. What are the benefits of reducing the amount of electricity we use?
3. How did the students decide on the challenge?
4. What will they have to do without during the challenge?
5. What problems did they have to deal with?
6. What did they like about working outside?
7. How was learning outside different to being in the classroom?
8. What did the students learn from the challenge?
9. Would you like to participate in the same challenge? Why or why not?
10. Illustrate an aspect of the story.

Write a message about the story and post it in the comments section on the story page.

## Challenging Toys

1. What was the main point of the *Challenging Toys* story?
2. What is a gender stereotype? Discuss as a class and come up with a definition.
3. Who are 'My Little Pony' toys aimed at?
4. What are 'Bronies'?
5. How are they challenging stereotypes?
6. Brainstorm a list of toys that are targeted at a specific gender.
7. How are these toys marketed to kids? (Think about the advertising)
8. What impact do you think gender specific toys have on kids?
9. Design a unisex toy.
10. How has your thinking changed since watching the BtN story?

Write a message about the story and post it in the comments section on the story page.

# Burka Ban

## Key Learning

Students will contribute to discussions about cultural and religious dress, in particular Islamic head dress. Students will investigate and celebrate the cultural diversity in their classroom.

## The Australian Curriculum

*Civics and Citizenship / Civics and Citizenship Knowledge and Understanding / Citizenship, diversity and identity*

How a person's identity can be shaped by the different cultural, religious and/or social groups to which they may belong (ACHCK014) Year 4



How Australia is a secular nation and a multi-faith society (ACHCK051) Year 7



*Civics and Citizenship / Civics and Citizenship Skills / Communication and Reflection*

Reflect on their cultural identity and how it might be similar and different from others (ACHCS021) Year 4



## Discussion Questions

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3. Which type of Islamic headwear do Eman and Manal wear?
4. Why do they choose to wear it?
5. Describe the differences between the hijab, niqab and burka.
6. Why are some people calling for the burka to be banned from public places?
7. What is the Prime Minister's viewpoint on this issue?
8. How have some people responded to Eman wearing a hijab?
9. What does Eman want people to understand about Islamic headwear?
10. What's your opinion? Should Muslim women be banned from wearing the burka in public places? Explain your answer.

## Activities

Class discussion

After watching the BtN *Burka Ban* story, facilitate a discussion to encourage students to engage with the topic and learn more about Islam. Here are some possible discussion starters:

- What is Islam?
- What is the Koran?
- Do Muslim people all have the same beliefs?
- What are some festivals/traditions followed by Muslim people?
- What other religions do people follow in Australia?

What questions were raised in the discussion (what are the gaps in their knowledge)? The following KWLH organiser provides students with a framework to explore their prior knowledge on this topic and consider what they would like to know and learn.

What do I know?	What do I want to know?	What have I learnt?	How will I find out?

### Why do some Muslim women wear burkas?

There is a wide variety of clothing worn by some Muslim women around the world. Investigate the different types of clothing that some Muslim women wear.

- Describe the differences between the burka, niqab, hijab, chador and dupatta.
- Why do some Muslim women wear burkas? Consider cultural and religious reasons.



ABC News Explainer: Why do Muslim women wear a burka, niqab or hijab?  
<http://www.abc.net.au/news/2014-09-23/why-do-muslim-women-wear-a-burka-niqab-or-hijab/5761510>

CBBC Newsround: What's the difference between a hijab, niqab and burka?  
<http://www.bbc.co.uk/newsround/24118241>

## Rule making in our Parliament

Some senators want the burka banned from Parliament. A ban would mean that anyone wearing something covering their face wouldn't be allowed to sit in the public gallery. Others say the burka shouldn't be banned.

Print a copy of the transcript from the BtN *Burka Ban* story for students to read in pairs. Students will then answer the following questions and then discuss as a class.

- What is our Prime Minister's viewpoint on this issue?
- Why do some people think that the burka shouldn't be banned?
- Should Muslim women be allowed to wear burkas in public places? Explain your answer.

### Further investigation

Did you know that there is a visitor's gallery at Parliament House where members of the public can view Parliament proceedings? Explore both the Senate and the House of Representatives to find out how they work. Answer some or all of the following questions.

- Locate and label where the following people sit (in both chambers) in Parliament: members of the government, the speaker, members of minor parties and independents, media and members of the public.



<http://www.peo.gov.au/learning/closer-look/australias-parliament-house/a-place-for-the-parliament.html>

- What rules must visitors follow when visiting the chamber galleries at Parliament House? Refer to the following website for a list of rules:  
[http://www.aph.gov.au/Visit\\_Parliament/Planning\\_a\\_visit/Chamber\\_Public\\_Galleries](http://www.aph.gov.au/Visit_Parliament/Planning_a_visit/Chamber_Public_Galleries)
- How do we make rules and decisions about what happens in Parliament?
- Parliament House has been referred to as 'the people's building'. What do you think this means?

Take a look at our *Parliament House* story for more information on Australia's Parliament House. Learn more about the people, place, policies and systems of Australia's democratic process. <http://www.abc.net.au/btn/story/s3830581.htm>

## Cultural Diversity

*Did you know that Australia's population is one of the most culturally diverse populations in the world?*

- Facilitate a classroom discussion about cultural diversity. Ask students what they think cultural diversity is, and why it is important to them.
- As a class or in pairs ask students to investigate the cultural diversity within Australia and in their classroom. Students will represent their findings pictorially (e.g. a map, infographic, poster).

Teachers, check out BtN's *Racism* teacher resource for more activities on cultural diversity.  
<http://www.abc.net.au/btn/resources/teacher/episode/20130820-racism.pdf>

### Related Research Links

CBBC Newsround – What's the difference between a hijab, niqab and burka?  
<http://www.bbc.co.uk/newsround/24118241>

ABC News – Explainer: Why do Muslim women wear a burka, niqab or hijab?  
<http://www.abc.net.au/news/2014-09-23/why-do-muslim-women-wear-a-burka-niqab-or-hijab/5761510>

ABC 3News - #Not in my name (see video link under 'Related Information')  
<http://www.abc.net.au/btn/story/s4027875.htm>

ABC News - #NotInMyName: Young Muslims speak out against Islamic State on Social Media  
<http://www.abc.net.au/news/2014-09-22/notinmyname-young-muslims-speak-out-against-islamic-state/5761392>

CBBC Newsround – What is Islam?  
[http://news.bbc.co.uk/cbbcnews/hi/newsid\\_4180000/newsid\\_4188200/4188287.stm](http://news.bbc.co.uk/cbbcnews/hi/newsid_4180000/newsid_4188200/4188287.stm)

BBC Newsround – Schools Religion: Islam  
<http://www.bbc.co.uk/schools/religion/islam/>

ABC News – Burka-clad visitors to Parliament House to be made to sit in glass-enclosed galleries  
<http://www.abc.net.au/news/2014-10-02/parliament-burka-rules-introduced/5786132>

ABC Behind the News – Ramadan  
<http://www.abc.net.au/btn/v3/stories/s1743243.htm>

# Space School

## Key Learning

Students will learn how to plan and conduct a rocketry investigation to find answers to questions. Students will investigate and report on the challenges astronauts face when working and living in space.

## The Australian Curriculum

### *Science as a Human Endeavour/Nature and development of science*

Important contributions to the advancement of science have been made by people from a range of cultures *Year 5* ([ACSHE082](#))



Scientific knowledge changes as new evidence becomes available, and some scientific discoveries have significantly changed people's understanding of the world *Year 7* ([ACSHE119](#))



### *Science as a Human Endeavour/Use and influence of science*

Scientific understandings, discoveries and inventions are used to solve problems that directly affect peoples' lives *Year 5* ([ACSHE083](#))

### *Science Understanding/Physical sciences*

Change to an object's motion is caused by unbalanced forces acting on the object *Year 7* ([ACSSU117](#))



## Discussion Questions

1. Before you watch this story, make some predictions about what you think it will be about.
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4. How do the students benefit from working with an astronaut?
5. Jean Francois compares lift-off to what?
6. What did the kids learn at space school?
7. How did they describe the experience?
8. Finish the following sentence: Space school is about inspiring kids to become...
9. Name three facts you learnt watching the *Space School* story.
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## Activities

### Be a rocket scientist

Provide students with the opportunity to think and behave like a rocket scientist. In pairs or small groups, students will work on one of the following rocket experiments.

#### Experiment #1

##### 3...2...1...Puff!

Aim: students will learn about rocket stability as they construct and fly small paper rockets.

Link to experiment –

[http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/3\\_2\\_1\\_Puff.html](http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/3_2_1_Puff.html)

Refer to Lesson 5 in the following link for more information on how to integrate rocketry into your classroom. <http://www.gravitycentre.com.au/wp-content/uploads/2014/09/Teacher-Resource-Pack-year56.pdf>

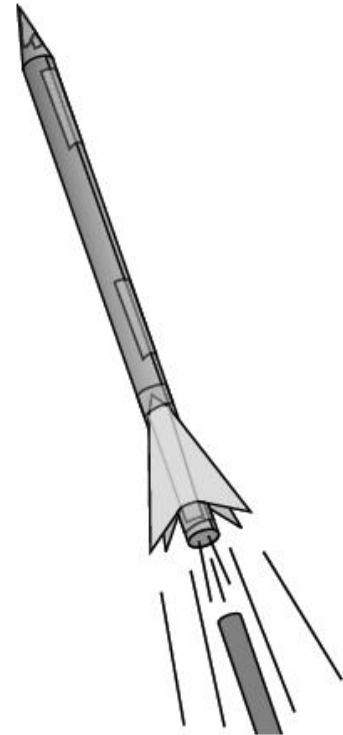
#### Experiment #2

##### It is Rocket Science

Aim: students will learn about forces while making a balloon rocket.

Link to experiment –

<http://www.latrobe.edu.au/in2science/in2science-documents/In2science-Rocket-Science.pdf>



### Investigation Framework

Below is an investigation framework to guide students when planning and conducting their experiments.

- What am I going to investigate?
- What do I think will happen (prediction)?
- Why do I think this will happen?
- What steps do I need to follow to investigate my prediction?
- What materials and equipment will I need? Make list or draw and label each item.
- How will I make it a fair test? What variables am I going to keep the same?
- Write a sentence that summarises what happened?
- A labelled diagram or a table of my results or observations to demonstrate what happened.
- Was this what I expected? Yes or no.



## Space Suits

Visit BtN's *Space Suits* story (see links below). Students can generate their own questions about the affect space has on astronauts or there are some key questions below that students can research.

- Create an illustration that shows the different parts of a space suit and the function each performs.
- Investigate aspects of daily life in space and how they are different to life on Earth. Things to research include; eating, sleeping, exercising and relaxing.
- How is the human body affected by weightlessness? What effect does it have on:  
*bones and muscles*  
*sense of taste*  
*the unprotected body*
- Investigate the type of health problems astronauts have had in the past. What changes have been made to overcome the health problems?
- Investigate some of the challenges astronauts face living in a microgravity (weightless) environment. What are some solutions to the problems?
- Design your ideal space suit. Highlight the design features that make it function well as a space suit.

*Space Suits* – Behind the News looks at a new gravity-loading spacesuit!

Video – <http://www.abc.net.au/btn/story/s2857386.htm>

Teacher resource – <http://www.abc.net.au/btn/resources/teacher/episode/20100330-spacesuits.pdf>

## Meet an astronaut

Watch this fascinating YouTube video, where Canadian Commander Chris Hadfield takes time out to talk with some school students, while aboard the International Space Station (ISS). <https://www.youtube.com/watch?v=RZ01EyQDtfA>



Here are some of the questions that the Canadian students asked Chris Hadfield:

- How has your life on board the Space Station been different from your life on earth?
- Do astronauts ever get sick on board the ISS?
- How does being in space for so long affect your body?
- What is it like working with all the other people on board the Space Station? Does language pose a problem?
- What do stars look like from outer space?
- How do you sleep in space?

Students will choose one of the above questions or pose one of their own to investigate in more depth.

Suggested research questions:

- How do astronauts communicate in space?
- How do people prepare for going into space?
- What issues or problems would there be if you lived in a space station?
- Can people live in space permanently? Why or why not?
- Name an Australian astronaut that has gone into space. Create a profile.
- How long does it take a rocket to reach Mars or the Moon?
- How fast can rockets travel?
- Without air, how can sound travel?

Students present their information to the class as an interactive poster using Glogster <http://edu.glogster.com/?ref=com> or Prezi <http://prezi.com/>

### Ask an expert

Consider inviting a local scientist to your classroom to hold a Q&A discussion which will form part of your research on a space topic you are currently studying. Alternatively go to the ABC Science *Ask an Expert* website to ask a curly question!

<http://www.abc.net.au/science/askanexpert/>

### Further Investigation

Teachers: This lesson plan has a focus on Life in Space: International Space Station. Students will learn about the challenges faced by humans living in space. <http://www.discoveryeducation.com/teachers/free-lesson-plans/life-in-space-international-space-station.cfm>

Follow these instructions to build your own International Space Station model <http://www.csiro.au/Portals/Education/Programs/Do-it-yourself-science/Earth-and-space-sciences-activites/InternationalSpaceStation.aspx>



### 🔗 Related Research Links

South Australian Space School – National Space Camp  
<http://www.spaceschool.com/>

ABC Science – How to become an astronaut  
<http://www.abc.net.au/science/articles/2008/09/11/2362184.htm>

NASA International Space Station – An interactive guide  
<http://www.nasa.gov/externalflash/ISSRG/>

YouTube NASA – Commander takes time out to talk with Canadian students  
<https://www.youtube.com/watch?v=RZ01EyQDtfA>

European Space Agency - Astronauts – Jean-Francois Clervoy  
[http://www.esa.int/esaKIDSen/SEM0H0DR5GG\\_LifeinSpace\\_0.html](http://www.esa.int/esaKIDSen/SEM0H0DR5GG_LifeinSpace_0.html)

European Space Agency – Astronaut Training  
[http://www.esa.int/esaKIDSen/SEM3RIWJD1E\\_LifeinSpace\\_0.html](http://www.esa.int/esaKIDSen/SEM3RIWJD1E_LifeinSpace_0.html)

RiAus – Andy Thomas profile  
<http://riaus.org.au/people/andy-thomas/>

CBBC Newsround – Space news facts and quizzes  
<http://www.bbc.co.uk/newsround/14082427>

Behind the News – Space Lab  
<http://www.abc.net.au/btn/story/s3825546.htm>

Behind the News – Space Kids  
<http://www.abc.net.au/btn/story/s2371008.htm>

# BtN: Episode 28 Transcript 14/10/14

Coming up.

- Find out what this clothing is and why some people want it banned.
- We meet a real astronaut as he teaches kids how to make their own rockets.
- And see the class that ditched electricity for a whole week.

Hi I'm Nathan and this is Behind the News. Let's get straight into it.

## War Mission

Reporter: Nathan Bazley

*INTRO: Australian jet fighters and special forces soldiers have been sent to Iraq to help fight against extremist group Islamic State. Our forces are fighting alongside the US, the UK, France Germany and many others in a move supported by both major parties here. But while all this sounds very war-like, Prime Minister Tony Abbott insists we're not at war, let's find out why.*

NATHAN BAZLEY, REPORTER: In 1901, Australia first became a nation and as it did, this new nation was already fighting its first war. The Boer War was being fought in South Africa at the time. 16,000 Australians were sent to fight in it and 606 never made it home.

In the years since, Australian military forces have taken part in many other wars too. There's been World War I, World War II, the Korean War, the Vietnam War, the Gulf War, the war in Afghanistan and the Iraq war among others. Now it's 2014 and Australia is involved in yet another fight. But is it a war that will one day be added to this list or is it something different? Let's find out.

Australia's military is back in Iraq only 5 years after pulling out the last time. The mission this time around is to stop Islamic State, a group that's invaded Iraq, taking over cities killing many innocent people. They've also threatened western countries with violence and called on their followers to do the same.

Australia is helping to stop them in two ways. The first is with air force jets, which take off from a base here in United Arab Emirates. Their job is to fly all the way to Iraq and strike Islamic State targets as they're identified. On top of this Australian special forces soldiers will be sent in to help train and advise the Iraqi soldiers

fighting Islamic State. But Prime Minister Tony Abbott says despite that, we're not at war.

TONY ABBOTT, PRIME MINISTER: I know that you'd love to have that headline, but it's not strictly accurate.

TONY ABBOTT: This is a mission, this is a fight, mission, fight, combat operations, combat operations.

TONY ABBOTT: It's essentially a humanitarian operation.

But why not use the word 'war'? Well the Prime Minister says there are three reasons why this should not be called a war. The first is because we were asked to fight in Iraq by the Iraqi government. The second is because we're fighting to save Iraqi civilians' lives. And the third is because we're not doing the mission by ourselves. We're joining forces with other nations.

But most experts say these reasons make no difference at all when it comes to deciding if this campaign should be called a war or not. They say that if there is a chance of fighting against an armed enemy and a chance a soldier might die then it is a war. Plain and simple.

So why would the Prime Minister want to avoid calling Iraq a war if it is one? Well one reason could be that people have a very clear idea in their mind of what a war is like. Big, deadly, expensive, and long. For example, the last war in Iraq lasted for 9 years. So the PM might be trying to reassure people that this won't be a repeat.

TONY ABBOTT: I want to reassure the Australian people that it will be as long as it needs to be, but as short as it possibly can be.

But how long this mission or war ends up taking will be something we'll only know when it's finally complete.

Now for the latest details on the fight in Iraq and this week's other big stories.

Let's go to the wire.

Here's Sarah

## The Wire

Australian fighter jets have dropped bombs on Islamic State targets in Iraq.

But have pulled out of other attacks because the chance of killing civilians was too high.

The Australian air force is carrying out missions in Iraq most nights.

But local fighters have asked for more to help them hold ground against Islamic State.

There are also worries that the capital of Iraq Baghdad could fall to IS in the future if US soldiers don't move in to help out on the ground.

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Back home now and the federal government has released a report reviewing what kids are being taught in Australian schools.

And it's calling for quite a few changes.

Overall it says the current curriculum asks primary school kids to learn too much and that it should be changed to focus more on the basics.

In English that means reading and writing and it recommended more classic literature and poetry.

It said there was too much of a focus on Indigenous history and not enough on European or Western civilisation.

In Geography there should be more on the Pacific Islands and less on things like environmental sustainability.

And all kids should have to learn music and visual arts.

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And Malala Yousafzai has become the youngest ever winner of the Nobel Peace Prize.

The 17-year-old has been fighting for kids rights since she was a little girl in Pakistan.

Two years ago she was shot by members of an extremist group but she survived and has kept campaigning around the world.

'This award is for all those children who are voiceless, whose voices need to be heard.'

She shared the prize with an Indian children's rights campaigner called Kailash Satyarthi.

## Burka Ban

Reporter: Emma Davis

*INTRO: Recently, the things Islamic women wear on their heads became the centre of a big debate. There are many different types of them all with different names but*

*the one most people were talking about was the Burka. Some politicians were asking for them to be banned. And at Parliament House in Canberra rules were announced to restrict women who wear them from sitting in the open public gallery. A lot of people have criticised both moves so we sent Emma to find out more.*

REPORTER, EMMA DAVIS: It's dinner time in the Elhelw household and Eman, her parents and her friend Manal are just sitting down to eat.

This family is Muslim, meaning that they follow the religion of Islam, and for Eman and her friend Manal that includes wearing a hijab.

EMAN: "Our religion tells us to be modest and for a lot of different people modesty is interpreted differently so I might choose modesty as covering my hair and wearing long sleeves and long pants but someone else might interpret it as wearing skirts and dresses."

But recently a debate around another type of Islamic headwear has got Eman and Manal concerned.

TONY ABBOTT, PRIME MINISTER: Now I've said before I find it a fairly confronting form of attire and frankly I wish it weren't worn.

Some politicians and commentators have spoken recently about wanting the Burka banned in Australia. But first, what exactly is a burka? Well, there are three main types of Islamic headwear. First there's the hijab, it's the one you'd see most often in Australia and it's made up of a scarf that covers the head and neck but not the face. Then there is the niqab which covers part of the face but not the eyes. And finally, the burka, which covers the entire body and face while the eyes are covered with mesh.

Only a very, very small number of women wear the burka in Australia. So why are people calling for it to be banned? Well the main argument is security. Right now in Australia a lot of people are worried about their safety, especially inside important places like parliament house. Burka wearers can't be easily identified so some people think that could make it easier for those wearing one to commit a crime or hurt people. Some critics also say women might be forced to wear burkas by men.

But Eman and Manal disagree that the burka should be banned. Manal says Muslim women can choose which type of headwear they want to wear.

MANAL: I think it's important to know that hijab is a choice so however much or how little you want to cover up is a choice in Islam.

She says Eman's mum even chooses not to wear anything covering her head and that's her choice. Eman says banning burkas for security reasons will just force those that wear them to stay at home.

EMAN: I think for a lady that wears that all the time, when she doesn't wear that I can imagine that it feels like being naked. So she probably wouldn't want to leave the house.

Although she says women in burkas should still have to identify themselves in high security places if asked to.

EMAN: It shows that we're open minded and we're Australian and we follow the same rules as everyone else, we don't get special rules.

But even without a ban, Eman says life can be pretty hard for those that choose to wear Islamic headdress.

EMAN: When I go to school I go by train and a couple of times when I was on the train I'd not only just get looks I also got a lady attack me once, she was very vocal about her distaste for what I was wearing and that upset me but I have to say that experience upset me less than the looks that I always get and the judgement that I feel that I'm getting all the time and it's not a nice feeling.

So she wants people to realise that what people wear on their head is nothing to be afraid of.

EMAN: "It's just a way they've decided to express themselves, it's an item of clothing just like any other and they shouldn't feel like weird is threatening or weird is scary, weird is different and different is good!"

Presenter: Okay so let's find out where you stand on this issue.

## Online Poll

The question we're asking you this week is.

Should Muslim women be allowed to wear burkas in public places?

To vote, just head to our website.

If you cast your mind back to before the holidays you might remember we did a story on the damage alcohol does to young people's brains.



In our poll, we asked you if because of that you would support Australia's drinking age being raised.

And most of you agreed you would!

Thanks for voting.

And a big thanks to all 4697 of you that voted in our poll from the week before that one on Australia's national flag because you all now hold the record for our most clicked-on poll to date!

## Space School

Reporter: Emma Davis

*INTRO: A group of school students recently got the chance to learn all about space from someone who's actually been there. The former astronaut went up three times in his life so he was the perfect person to tell the class what the experience was like and to help them build their own rockets too. Emma was there for the blastoff.*

REPORTER, EMMA DAVIS: Meet the next generation of Australian astronauts. Well, maybe! Before these guys head for the moon, they're learning the ropes at Space School, where they're going to get some hands on experience that's out of this world!

This is Jean Francois Clervoy. He's been to space three times and now he's here to inspire these students and help them build some rockets of their own.

MAX: It's a really surreal experience because you never actually think that you'd get to meet a like a real astronaut, like you thought that you'd never meet like a movie star or a TV star or anything.

Jean Francois always wanted to be an astronaut.

JEAN FRANCOIS: So when I was kid I was dreaming that I would go to space for fun, I never thought that would require to choose to do a job to go to space.

In 1991 he got his first chance to head into outer space! He says the lift-off part is kind of like being on a rollercoaster.

JEAN FRANCOIS: When the engine ignites it's a huge kick in the butt. And then when the engine cut off, eight and a half minutes after liftoff, it's weightlessness forever. You feel like you, you start freefalling forever and you float and it's very strange because you may get to the point that you don't feel your body anymore.

All up Jean Francois' spent 675 hours in space and while it looks like a lot of fun, he says there was actually a lot of work to do up there!

JEAN FRANCOIS: On my missions they were short and we want to maximise the efficiency of the work, so it's almost 14, 16 hours of work every day.

The students also got the chance to ask him some questions about what it's like up there.

SOPHIE: I asked him about what his favourite part about his job was. To be honest if I was an astronaut it'd just be being in space, being completely weightless and that was almost his response.

KID: What was the food or drink you missed the most?

JEAN FRANCOIS: You know in space you cannot eat foods that are in pieces. Every meal has sauce which act like a glue. It is not possible to have food that makes particle that float in weightlessness. This is probably what I missed the most. Just biting in an apple, in an apple from the tree or eating a peach just from the tree, you cannot do this.

Space school is all about inspiring kids to become engineers, astronomers, physicists and astronauts and it works!

MAX: I would like to be an aerospace engineer creating spacecraft and jets

NICK: When I'm older I want to be involved in astrophysics.

SOPHIE: I've considered engineering quite a lot, so aerospace engineering, designing rockets, designing planes and helicopters

Now that their rockets are built it's time to see how they'll fly! For some of these students it could be the launch of a future that's out of this world.

Presenter: And that brings us to our first quiz.

## Quiz 1

The question is: Which galaxy is Earth a part of?

Milky Way

Comet

Andromeda

Answer: Milky Way

In case you were wondering the Milky Way galaxy isn't just home to us it's home to more than 200 billion stars and features a big black hole in the middle.

## Outdoor Class

Reporter: Emma Davis

*INTRO: A class of school kids in Alice Springs recently set themselves a challenge - to spend a whole week outside, with no access to electricity at all. The challenge was trying to show how much electricity the average school classroom uses. The kids filmed everything for BtN. One of the students, Isla has this report for us.*

Welcome to Alice Springs!

ISLA: This is our school, Bradshaw Primary School. And this is our class! Like all classrooms, we use a fair bit of electricity each day. There's the lights, computers, our smart board, even the air conditioning. And over a year that all adds up! So for the Enviro Week challenge this year we decided to find a fun way to cut the amount of energy we use.

The class took a vote of having lessons outside all week.

This is our last day of working inside as next week we are taking on the enviro week challenge - wild child. Yeah!

And that means no computers.

And that means no iPads.

And that also means no interactive whiteboards.

No electricity at all.

What do you think will be great about this?

I think it will be a big change

Nice fresh air

And we can wear sunglasses

It'll be fun.

What do you think won't work?

Well there definitely will be the cons to our enviro week challenge like in the mornings it might be too cold and in the afternoons it might be way too hot.

Our work could blow away.

What happens if it rains? Even though it doesn't rain in Alice Springs.

What about if a bird poos on us

ISLA: At the start of the week we had to move everything outside, and some of it was pretty heavy! We had to choose the best spot in our yard to set up our classroom cos we didn't want it somewhere too hot and sunny cos we might get burnt. And we didn't want it somewhere too cold and shady cos it's really cold. There were a few problems we had to deal with.

It's pretty much annoying when the wind blows your sheet away and you have to go get it.

It's not the best day to be outside because it's windy and all the birds are making noise.

It's annoying.

Well we're in the sun a lot so we've gotta put sun cream on so the kids don't get burnt so it's pretty annoying.

It's too cold.

ISLA: Plus we couldn't use computers, so we had to write everything by hand! But there were some good things about being outside all day too.

It's so great out here cos we can take our shoes off all the time.

ISLA: Once the week was over, we got to go back inside. But this challenge taught us how much energy we really use every day. So we're going to try to cut it down from now on. And if all Aussie kids join us, together we could make a real difference.

Presenter: Thanks for that report guys!

Now for another quiz sticking with the electricity theme.

## Quiz 2

How much does it cost to run a computer for a year, if you leave it on 24hrs a day?

\$10

\$60

Or \$130

Answer: \$130

Whereas a computer only turned on during school hours costs about \$30 a year. It's a big difference! Okay time for the Score now. Here's the biggest results you need to know.

## The Score

It was big weekend at the Bathurst 1000 with some calling it one of most dramatic ever.

There was plenty of action especially at corner two where the track started breaking up.

COMMENTATOR: We call them the marbles and effectively it's like driving on ice.

The race had to be stopped for a while to repair the track.

But once back on it was Ford's Chaz Mostert and Paul Morris who took the lead on the final lap going past Holden's Jamie Whincup who had to coast home after running out of fuel.

Considering the winning ford team started the race last on the grid it was a pretty amazing effort really!

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The A-League season has kicked off for another year.

Spanish superstar David Villa played his first game for Melbourne City and even managed to score a goal!

David Villa. There's the goal!

It helped take his team to a 1-all draw with Sydney FC.

And it was a big game for Adelaide United, beating reigning champions Brisbane Roar in an upset.

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This weekend was also the start of the NBL!

The Cairns Taipans are the standout team so far picking up two wins in Round One.

They upset last year's grand finalist Adelaide and then backed it up with another solid win against Melbourne.

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And an Aussie guy has broken a world record for pull-ups live on an American TV show.

Caine Eckstein did 4210 pull-ups in 12 hours.

He not only broke the 12-hour record but it was enough to beat the 24-hour record too.

‘Congratulations Caine on setting not one but 2 Guinness World Records titles. Thankyou.’

## Challenging Toys

Reporter: Nathan Bazley

*INTRO: Finally today: In the past, we've told you about the fact that a lot of stuff for kids is aimed at either girls or boys but rarely both. And the toy and TV show brand, My Little Pony is certainly no different. But what is different about this brand is that some boys are standing up and proudly saying that they're big fans of it. Check it out.*

NATHAN BAZLEY, REPORTER: First it was a toy, then an animated series. Now it's got a cult following.

FAN 1: Each pony represents laughter, kindness, generosity.

My Little Pony is the reason all of these people are here today. They're all huge fans, but what they're all not is girls.

FAN 2: I came all the way from Townsville to be here.

FAN 3: It's really colourful and vibrant and just happy.

In fact there are so many male fans of My Little Pony that they have their own nickname Bronies.

JONO COLWELL, BRONIE: It started off being a term for a male who likes the show, 'cause they were so much more visible and everyone liked to pick on them so much more, calling them man-children. We thought well if people are going to call us this anyway, we might as well take it and make something of it.

Bronies are one example of people going against toy stereotypes. That's when toys or any other kids stuff are aimed at one specific group of people. If you walk into a shop, it's pretty easy to see which toys are meant for boys and which ones are for girls. And in the same way it's not hard to work out which gender My Little Pony is aimed at either. But male My little Pony fans are proud to stand against that stereotype.

JONO COLWELL: I feel that my masculinity does not need to be defined by what I do or don't like. I'm a man. I'm perfectly fine with liking My Little Pony. I also like guns and explosions and all that sort of stuff.

Some Bronies say that the show's female fans have been great at welcoming them into the fold.

FAN 4: Mostly the community, for the most part 'cause it's such a big, open community that will let anybody in. There's little to no judgment here.

But that doesn't mean everyone is as accepting.

FAN 5: Kind of like the kind of thing where you need to get away from a bit of the bad things in life, social bullying and all that. We have a lot of that kind of thing going on in this world. So, basically, we're just here to escape from that.

So while most boys play with action figures and girls play with dolls, these Bronies prove you can like whatever you want to like, no matter who it's meant for.

## Closer

And that about wraps us up for this week!

Thanks for joining us. Please remember to jump online and have your say on our stories or click on our online poll to cast your vote about Burkas. And teachers please remember to make use of all the lesson plans and resources on the website too. Have a great week and I'll see you next time.