

India Air Pollution

1. Discuss the *India Air Pollution* story as a class and record the main points of the discussion.
2. Where is Delhi? Find on a map.
3. How has the air pollution in Delhi impacted on people's lives?
4. How is air pollution measured?
5. How is the air pollution affecting people's health?
6. Delhi is the most populated capital city in the world. True or false?
7. How many people live in Delhi?
8. What has caused the air pollution in Delhi? Give some examples.
9. What is being done to reduce the air pollution?
10. What questions do you have after watching the BTN story?

Screen Time

1. Before watching the story, discuss as a class how much time you spend on screens each day.
2. What did the *BTN Screen Time* story explain?
3. What percent of kids said they use screen-based devices for more than 5 hours a day?
4. It is recommended that school kids should have no more than...
 - a. 1 hour of screen time daily
 - b. 2 hours of screen time daily
 - c. 5 hours of screen time daily
5. How can too much screen time impact on kids' health?
6. Why is screen time before going to sleep a problem?
7. Complete the following sentence. Melatonin is a _____ which affects your sleep cycle.
8. What can kids do to reduce their screen time?
9. What was surprising about the BTN story?
10. How do you manage your screen time? Discuss in pairs.

Check out the [Screen Time resource](#) on the Teachers page. Get your class involved in BTN's [Ask A Reporter](#). This week's topic is screen time.



Epic Flight Anniversary

1. Briefly summarise the *BTN Epic Flight Anniversary* story.
2. What did the Wright Brothers invent?
3. Planes were not used during the First World War. True or false?
4. What does it mean when a pilot is called an 'ace'?
5. Complete the following sentence. Prime Minister Billy Hughes offered £10,000 for the first Australian airmen to fly from _____ to _____ in 30 days.
6. Describe the plane that Ross and Keith Smith flew in the challenge.
7. How many crew members did they have with them on the flight?
 - a. None
 - b. 2
 - c. 6

8. What were some of the challenges during the flight?
9. How many days did it take the Smith brothers to complete the journey?
10. What was surprising about the BTN story?

Check out the [Epic Flight Anniversary resource](#) on the Teachers page.

Ash Barty Profile

1. Discuss the BTN *Ash Barty Profile* story with another student.
2. How old is Ash Barty?
3. In what year did Evonne Goolagong-Cawley win the WTA final?
4. How much money did Ash Barty win for coming in first?
5. Ash Barty is the first Australian woman to finish the year as world number one. True or false?
6. Where in Queensland is Ash Barty from? Find on a map.
7. At what age did Ash Barty start playing tennis?
8. How has Ash Barty inspired other kids?
9. How did the BTN story make you feel?
10. Leave a message of support on the *Ash Barty Profile* story page.

Jousting

1. Retell the BTN *Jousting* story using your own words.
2. In which country did the sport of jousting start?
3. What year did the sport of jousting start?
4. Complete the following sentence. Knights would travel across the land to compete for _____ and _____.
5. What animal is involved in the sport of jousting?
6. What does a lance look like?
7. How do you score points?
8. How do players protect themselves whilst they are jousting?
9. Which country won the jousting competition in the BTN story?
10. What did you like about the BTN story?

Teacher Resource

Screen Time

Episode 32
12th November 2019

Focus Questions

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8. What can kids do to reduce their screen time?
9. What was surprising about the BTN story?
10. How do you manage your screen time? Discuss in pairs.

Activity

Pre-viewing questions

Before watching the BTN *Screen Time* story, hold a class discussion asking the following questions:

- How much time do you spend on screen-based devices each day for fun?
- What do you do? E.g. social media, surfing the internet or video games.
- Do you think you spend too much time on screen-based devices?
- What do you think is the recommended time that kids should spend on screen-based devices each day?



Activity

Class Discussion

After watching the BTN *Screen Time* story, hold a class discussion, using the following discussion starters. Brainstorm ideas in small groups and then students will report their group's responses to the class.

- How do you manage your screen time?
- Think of 3 reasons why kids should reduce their screen time.
- Why do you think BTN covered this topic?
- What was surprising about the BTN story?

Key Learning

Students will investigate the negative effects of too much screen time. Students will explore ways they can manage their own screen time.

AC Curriculum

Health and Physical Education – Years 3 & 4

Identify and practise strategies to promote health, safety and wellbeing.

Discuss and interpret health information and messages in the media and internet.

Health and Physical Education – Years 5 & 6

Plan and practise strategies to promote health, safety and wellbeing.

Digital Technologies – Years 3 & 4

Plan, create and communicate ideas and information independently and with others, applying agreed ethical and social protocols.

Digital Technologies – Years 5 & 6

Plan, create and communicate ideas and information, including collaboratively online, applying agreed ethical, social and technical protocols.

Digital Technologies – Years 7 & 8

Plan and manage projects that create and communicate ideas and information collaboratively online, taking safety and social contexts into account.

Activity

KWLH

Discuss the BTN *Screen Time* story as a class. What questions were raised in the discussion and what are the gaps in their knowledge? The KWLH organiser provides students with a framework to explore their knowledge on this topic and consider what they would like to know and learn.

<i>What do I <u>k</u>now?</i>	<i>What do I <u>w</u>ant to know?</i>	<i>What have I <u>l</u>earnt?</i>	<i><u>H</u>ow will I find out?</i>

Topics of inquiry

Students will develop their own question/s for inquiry, collecting and recording information from a wide variety of sources. Students may develop their own question for inquiry or select one or more of the questions below.

- What are the recommended screen time limits for kids? Explore how much time kids of different ages should be spending on screen-based devices each day (recreational). Create an informative poster highlighting the recommended screen time limits to put up around your school.
- Why can too much screen time be a problem for kids? Investigate the effects of screen time on the health and wellbeing of kids. Explore how it can impact on kids' physical health, mental health and social skills.
- How can kids reduce their screen time? Think of some strategies that can help kids reduce their screen time and have a more active lifestyle.

Activity

Class survey

Students will conduct their own survey asking kids at their school about the amount of time they spend on screen-based devices. Working in groups, students will need to decide on the objective of their survey, who their sample group will be, how many people will be surveyed and what method they will use to conduct the survey.

Questions

Working in groups, decide on the questions you will ask in your survey, making sure they are simple, clear and relevant. Below are some example questions:

- What screen-based devices do you use?
 - Mobile phone
 - Tablet
 - Computer
- Do you have your own mobile phone?
- Do you have your own tablet?
- How many hours of screen time do you have each day for fun?
 - 0 to 1 hour
 - 1 to 2 hours
 - 2 to 3 hours
 - More than 3 hours
- Do you think you spend too much time on screen-based devices?
- Do you spend time looking at a tablet/computer/phone/TV in bed at night?

Sample size

Sample size is important for obtaining reliable data. The greater the number of people surveyed, the more likely the prediction will be accurate. As a group decide what you will need to achieve an adequate sample size. You will need to think about the following:

- What is your population size? E.g. whole school

- How big a sample do you need?
- How diverse is your sample?
- Will it be random or targeted?
- How will you invite people to participate?

Survey

Once you have decided on the objective of your survey you will need to decide on how you will conduct your survey (e.g. Face to face or written responses). Conduct your survey and then sort and enter the information you have collected into a spreadsheet.

Present

What is the best way to represent the data you have collected? Summarise the information you have gathered and represent the results as a percentage. Alternatively create a graph, draw a diagram or create an infographic to highlight the survey results.

Analyse

Analyse and reflect on your results. Respond to one or more of the following questions:

- What do the survey results tell you? Write a short paragraph explaining the results.
- What would you do differently next time?
- How do your results compare to that of BTN's results?

Activity

Technology Challenge

The BTN [Technology Challenge story](#) asks students to think about how much time they spend on devices and how they can balance their screen time with other activities. There are also [teacher resources](#) which include activities for students to complete like auditing the time they spend on technology and challenging them to see how long they can go without technology.



BTN [Technology Challenge story](#)
[Video](#) and [Teacher Resource](#)

Activity

Ask a Reporter

Ask Jack your questions about the *Screen Time* story on BTN's *Ask a Reporter*, at 2:15pm (AEST) Friday 15th November 2019. Ask A Reporter provides students a chance to ask BTN reporters' questions - directly to the reporter responsible for the story. Each Friday BTN will live stream a 20-30min Q&A session.



Useful Websites

Screen Addiction – BTN

<https://www.abc.net.au/btn/classroom/screen-addiction/10528738>

Technology Challenge – BTN

<https://www.abc.net.au/btn/classroom/technology-challenge/10524950>

Kids Sleep – BTN

<https://www.abc.net.au/btn/classroom/kids-sleep/10530126>

Screen time guidelines – Growing good habits

<https://www.growinggoodhabits.health.qld.gov.au/need-to-know/screen-time-guidelines/>

Epic Flight Anniversary

Focus Questions

- Briefly summarise the BTN *Epic Flight Anniversary* story.
- What did the Wright Brothers invent?
- Planes were not used during the First World War. True or false?
- What does it mean when a pilot is called an 'ace'?
- Complete the following sentence. Prime Minister Billy Hughes offered £10,000 for the first Australian airmen to fly from _____ to _____ in 30 days.
- Describe the plane that Ross and Keith Smith flew in the challenge.
- How many crew members did they have with them on the flight?
 - None
 - 2
 - 6
- What were some of the challenges during the flight?
- How many days did it take the Smith brothers to complete the journey?
- What was surprising about the BTN story?

Activity

Class Discussion

After watching the *Epic Flight Anniversary* story, students will respond to the following questions:

- What did you SEE in this video?
- What do you THINK about what you saw in this video?
- What does this video make your WONDER?
- What did you LEARN from this story?
- How did this story make you FEEL?
- What was SURPRISING about this story?

Personal Response

Students will write a personal response to the *Epic Flight Anniversary* story.

Ask students to finish one or more of the following incomplete sentences:

- The Epic flight was an important event because...
- It was interesting to learn...
- It was surprising to learn that...
- These are five words that I would use to describe the Epic Flight...
- It is an important event to remember because...

Key Learning

Students will learn more about the Epic Flight; the lives of Ross and Keith Smith and the journey from England to Australia.

Curriculum

HASS – Year 4

Pose questions to investigate people, events, places and issues.

HASS – Year 5 & 6

Develop appropriate questions to guide an inquiry about people, events, developments, places, systems and challenges.

Present ideas, findings, viewpoints and conclusions in a range of texts and modes that incorporate source materials, digital and non-digital representations and discipline-specific terms and conventions.

HASS – Year 7

Construct significant questions and propositions to guide investigations about people, events, developments, places, systems and challenges.

Present ideas, findings, viewpoints, explanations and conclusions in a range of texts and modes that incorporate source materials, citations, graphic representations and discipline-specific terms, conventions and concepts.

Activity

Create a biography

Students will research and write a biography on either Sir Ross or Sir Keith Smith. Before students begin to construct their biographies, hold a class discussion to find out what they already know about biographical writing. Discuss what type of information is included in a biography and what they tell us about a person. The [Civics and Citizenship website](#) has some examples of biographies for students to look at.

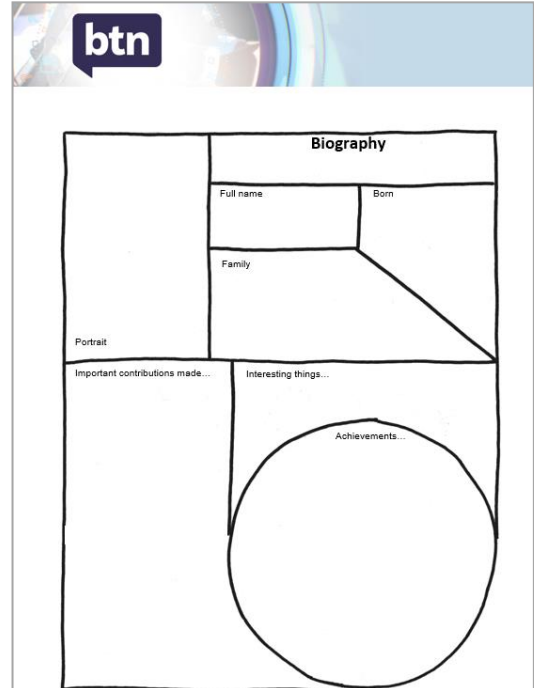
Using the biography organiser template at the end of this activity, students will find and record information about Ross or Keith Smith.

Some possible areas of research include:

- Where was Ross or Keith Smith from? Locate using Google Maps
- When was he born? Describe his family life growing up.
- What are some of his achievements? Choose one to explore in more detail.
- What were some of the challenges he faced?
- How has he made an impact on people's lives?
- What do you admire about him?
- Sketch a portrait of Ross or Keith Smith. Explore and experiment with different techniques and media to produce a portrait.

Further investigation

- Imagine you could sit down and talk to Ross or Keith Smith. What questions would you ask him about his life and achievements?



The image shows a 'Biography' organiser template. It features a 'btn' logo in the top left corner. The template is divided into several sections: a large 'Portrait' section on the left; a 'Biography' header; a 'Full name' and 'Born' section; a 'Family' section; a section for 'Important contributions made...'; a section for 'Interesting things...'; and a large circular area for 'Achievements...'. The 'Portrait' section is currently empty, and the 'Achievements...' section contains a large, empty circle.

Activity

Journal writing

Students will imagine they are either Sir Ross or Sir Keith Smith before they set off on the flight from London to Darwin. Students will write a journal describing their feelings before the expedition. They will need to think about language and the era in which they are writing.

- Explain why you wanted to be the first person to fly from London to Darwin.
- How do you feel?
- What are some of the challenges or dangers?
- What do you hope the flight will achieve?

Students will reflect on their learning during this activity and respond to the following questions.

- How did you feel about this activity?
- How do primary sources (for example photos, letters, diaries and official documents) help you understand what might have happened at a place in time?

Activity

Inquiry

Students will be exploring the Epic Flight in more detail. They can develop their own key questions to investigate or respond to one or more of the questions below. Students can complete the following KWLH organiser to explore their knowledge and consider what they would like to know and learn.

<i>What do I <u>k</u>now?</i>	<i>What do I <u>w</u>ant to know?</i>	<i>What have I <u>l</u>earnt?</i>	<i><u>H</u>ow will I find out?</i>

Discuss the story as a class and ask students to pose questions about the Epic Flight and Sir Ross and Keith Smith and their achievements. Students will develop an appropriate question to guide an inquiry about the Epic Flight (below are some example key questions).

- What inspired the Smith brothers to fly from London to Darwin?
- Explore the journey in more detail and create a timeline of significant moments in the Epic Flight. Use the timeline template at the end of this activity to record the information.
- How has the Epic Flight inspired others?
- How has flight changed in the past 100 years?

Students will collect and record information from a wide variety of primary and secondary sources and present the information they find in an interesting way.

- Primary sources – Through using primary sources, that is a document like a diary, photograph or a physical object, that was written or created at a particular time, we can gain an understanding of what might have happened at a place in time.
- Secondary sources – Secondary sources are documents written after an event has occurred, providing “second-hand” accounts of that event, person, or topic. Unlike primary sources, which provide first-hand accounts, secondary sources offer different perspectives, analysis, and conclusions of those accounts.

Students can present the information in one of the following ways:

- [Prezi](#) presentation
- An infographic using [Canva](#)
- Stop motion animation
- Short film

Students can present their research in an interesting way. Below are examples of students work:

[The Great Air Race - Stop motion animation](#)



[A Flight to Remember - Short Film](#)



Activity

Visual literacy

Below are images of the Epic Flight. Students look at the image and then respond to the following questions:

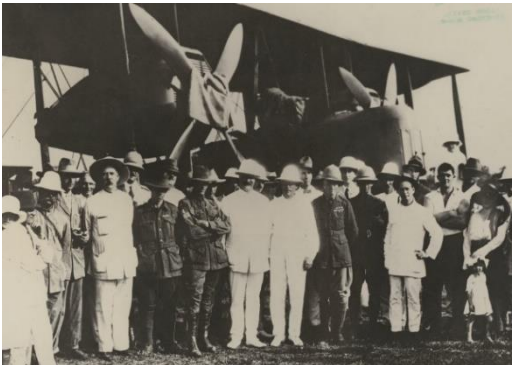
- What do you see in this image? Describe the setting and who is in the image.
- What do you think is happening?
- If there are people in the image who do you think they are? How do you think they might be feeling?
- What question/s would you like to ask the people in the image?
- Create a caption for each image.



[Link to image](#)



[Link to image](#)



[Link to image](#)



[Link to image](#)

Useful Websites

The Vickers Vimy -The History Trust of SA

<https://epicflightcentenary.com.au/the-vickers-vimy/>

Epic Flight Centenary: Timeline – History Trust of SA

<https://epicflightcentenary.com.au/timeline/>

Significant Aviator Profiles - South Australian Aviation Museum

<http://www.saam.org.au/wp-content/uploads/2015/02/SAAM-Profiles-ROSS-SMITH-and-the-Vimy-Crew.pdf>

The Great Air Race – Northern Territory Library

<https://ntl.nt.gov.au/story/great-air-race>

Portrait	Biography	
	Full name	Born
	Family	
Important contributions made...	Interesting things... <div style="border: 1px solid black; border-radius: 50%; width: 80%; margin: 20px auto; padding: 10px; text-align: center;">Achievements...</div>	

Create a timeline showing significant moments in the Epic Flight. List an interesting fact for each significant event listed on your timeline.

Date	Significant event

BTN Transcript: Episode 32 – 12/11/19

Hey. Amelia Moseley here and it's time for another episode of BTN. Let's check out what's coming up. We find out about India's air pollution crisis, celebrate 100 years since the first flight from England to Australia and Ash Barty inspires the next generation of tennis stars. All that and more soon, but first, to some of the big news happening around the country, including devastating bushfires which have hit New South Wales and Queensland.

This Week in News

For the first time since 2013, the New South Wales Premier has declared a State of Emergency. Hundreds of schools are closed, more than one hundred and fifty homes have been lost, and heaps of people have been forced to evacuate. Some people have died in the fires which are still burning out of control in both states. More than 850 thousand hectares of land have been destroyed just in New South Wales, which is about the same as 1 million rugby league fields. Firefighters, many of them volunteers, have been working around the clock to try to get the blazes under control. Authorities say it's looking like things are going to get worse with hot, windy conditions forecast for the rest of the week.

GLADYS BEREJIKLIAN, NSW PREMIER: If you live near bush make sure you're ready, make sure you're safe and just stay away from any bushland whatsoever.

On Monday the 11th day of the 11th month at the 11th hour people gathered at monuments around the country for Remembrance Day. It marks the end of the First World War, and more than 100 years on, people still pay tribute to those who fought and died, not just then, but in all wars. There were also services held around the world including in London, where the royal family took part in this Remembrance Day service.

India Air Pollution

Reporter: Leela Varghese

INTRO: Now to India's capital, Delhi, has been experiencing dangerous levels of air pollution. For a while there, it even forced schools to shut down. While things are getting better, the air's still not safe to breathe, so we got in touch with some kids there to tell us how it's affecting them.

KID ONE: Hey I am Asheer I'm 15 years old and for the last week Delhi has seen the worst pollution ever.

KID TWO: Pollution spares no one. I'm not allowed to step out of my house because I'm living in a city which is a gas chamber.

KID THREE: From my house, there's a building 15 feet away and you cannot see it because the smog has gotten so thick.

What these guys are talking about is the air pollution in North India. That's what caused this smoky haze which is especially bad in India's capital, Delhi. Like really bad. Last week the government declared it a public health emergency. People were told to wear anti-pollution masks, avoid polluted areas and stay indoors. Airports had to be closed and schools were shut down.

KID ONE: I'm a basketball player. Because of this situation, I can't go to practice, I can't go out, I can't live my life. I need to stay indoors.

While air pollution is a common problem in Delhi this is the worst it's been in three years.

LEELA VARGHESE, REPORTER: Air pollution is measured by how many harmful particles are floating around and it doesn't take many of them to start making the air toxic. Recently, Delhi's air pollution reached

50 times the level recommended by the World Health Organisation.

KID THREE: Breathing in this toxic air is the equivalent to breathing in 33 cigarettes every day. It's going to impact my health and my future and every aspect of my life.

Breathing in polluted particles can cause serious health problems. Studies have found it contributes to more than one million deaths in India every year.

KID FOUR: As I step out my head starts aching, I start coughing and my eyes start to water.

So, what's causing it? Well, partly, it's that Delhi is the most populated capital city in the world, around 30 million people live here, that's more than the whole population of Australia in one city. Lots of people equals lots of people doing things. Like using cars, indoor cookstoves and burning rubbish. And then there's lots of companies burning coal, construction creating dust, illegal crop burning. Oh, and these, fireworks which were recently set off for Diwali, the Hindu festival of lights.

So, what's being done about it? Well, millions of cars have been taken off the roads, by only letting drivers use certain cars and vehicles at certain times. Firecrackers have been banned. Construction sites have been shut down and fines are being handed out to farmers burning crops. There's been some stranger solutions too. Like air-purifying vans sent out to clean the air in certain spots, like at the popular tourist attraction, the Taj Mahal. But many people in Delhi still aren't happy and want more to be done. Some just want to go back to school.

KID THREE: It seems like no one seems to be doing very much about it. There is a lot of panic, there is a lot of outcry but I'm seeing very little action.

KID ONE: This is not acceptable. I want my future back. I want my dreams back.

Screen Time

Reporter: Jack Evans

INTRO: Well our kids talk survey has wrapped up and the results are in. We received more than 8000 responses and over the next couple of weeks we'll reveal some of your answers. First up, we're looking at screen time. Now, most of you said you're spending too much time looking at your devices but what can you actually do about that? Jack found out.

How much time do you spend staring at a screen for fun?

LEO: Probably 2 to 3 hours and then on weekends 6 to 7 hours.

KIEN: I only spend about 15 minutes to 30 minutes a day.

ISAAC: On the week days I spend no hours looking at screens. But on the weekend, I spend maybe an hour everyday maybe an hour and a half.

Well the results from our first ever Kids Talk survey are in and apparently most of you are using screens for more than 2 hours a day. In fact, 16% of you said you're using devices for more than 5 hours a day.

ISAAC: I don't think it's too surprising because considering where we are in the 21st century, we have a lot of technology around us.

AMELIE: I think a lot of kids spend way too much time looking at their phones you get addicted and then that's all you are going to do.

It might not be surprising, but it's way more than the recommended amount of 2 hours a day. So, is that a bad thing?

TIM OLDS, UNI SA: Screen times pretty much universally associated with everything that's bad. So, kids who get a lot of screen time are less happy, they've got a lower quality of life, they do worse at school, and they get less physical activity. So, there is a whole lot of problems with excessive screen time, there's no doubt about that.

Tim Olds is a professor in health sciences and knows a thing or two about screens and how they affect us. He says it's especially a problem right before bed because it can disrupt your sleep. But 62% of you said it's a time when you're still using your devices.

TIM OLDS, UNI SA: The exposure of blue light from the screens will actually change the secretion of a hormone called melatonin which affects when we get sleepy, when we want to go to bed, it delays it, so you're just more awake as a result of it.

59% of you said you think you're spending too much time looking at screens. Especially those of you who spend more than 5 hours a day on them. And if you're spending more than the recommended 2 hours on your devices you're less likely to get all the exercise you need.

AMELIE: It's just not good for you, staring at a screen a lot of the time. You know going outside, being active, that's way better and that's what people should be doing I think.

LEO: Some of my friends stay inside and don't go outside and aren't as active as they should be.

So what can you do about it?

TIM OLDS, UNI SA: One of the best things I think kids can do, if they're worried about screen time and want to reduce it, is to have a bed time routine which doesn't include screens. Turn the television off when no one is watching it.

Tim also reckons you could try spending more time outside away from screens and doing physical activities instead. But whether they're for entertainment or schools, screens have become a huge part of our lives and we're still learning how best to make them work for us.

Ask a Reporter

Do you have a question about our survey or screen time? Well, we'll be around to answer them live on Ask a Reporter this Friday. Just head to our website for all the details.

Epic Flight Anniversary

Rookie Reporters

INTRO: 100 years ago, two Australian brothers set off on the trip of a lifetime. They flew a plane all the way from England to Australia in just 28 days, a journey no one had completed before. Students from the brothers' home town of Adelaide tell their incredible story.

This is Ross Smith and his brother Keith. They're both from South Australia and 100 years ago they did something amazing.

KID ONE: It was called the Great Air Race and we've been learning about it at school so that we can teach you.

KID TWO: Back in the early 1900s flying wasn't even a thing. Planes hadn't even been invented.

Lots of people were trying though. Like the Wright brothers. Have you heard of them before? They created the world's first powered aircraft. Not too long after that, the world war broke out. Planes were used a lot in the war, especially near the end. Pilots who were really good at fighting in the air were called aces. Ross Smith was an ace. Ross and Keith Smith grew up in South Australia and they were both pilots in the war. At the end of the war, Australian Prime Minister Billy Hughes flew in a plane for the first time and couldn't believe how awesome it was.

KID THREE: He thought this would be just the thing to inspire his country after the war, so he had an idea.

He said he'd give 10,000 pounds to the first Aussie airman who could fly a plane from England all the way home to Australia in 30 days. In today's money, that's 750 thousand dollars. Wow.

KID FOUR: It was a dangerous challenge. Planes back then were pretty basic and unreliable.

In fact newspapers called it "a circus that would end in death". But Ross was sure he knew of a plane to get

the job done. It was called a Vickers Vimy. This is the actual plane Ross and Keith flew from England to Australia, and this is David. He's a historian and he knows all about old planes.

DAVID BYRNE, AVIATION HISTORIAN: These aircraft were designed as bombers. Basically, they're made out of wood and fabric covering the wings and they have steel connecting plates and bolts and wires all the way through them to just keep the damn thing together.

KID FIVE: Ross and Keith Smith weren't the only people in the plane. They had crew members to fix the plane. Their names were Jim Bennett and Wally Shiers.

DAVID BYRNE, AVIATION HISTORIAN: The pilot and the co-pilot navigator, they sat in the front cockpit and the two mechanics lay down in the fuselage at the back of the aircraft. Simple as that.

Once they had a plane and a crew, they were ready to go. They took off on the 12th of November with all of their stops carefully mapped out. At first it was easy going but getting closer to Australia it got harder. Because a lot of places didn't have airports or runways, sometimes they landed in mountains or fields and attracted a lot of attention. Lots of these people had never seen a plane before, so everyone was really interested.

But while things were going well for Ross and Keith, the challenge ended in tragedy for other teams. Of the 5 other planes that entered, four crashed. In two of those crashes the pilots were killed. While the fifth team made it to Darwin, the trip took 206 days. It took the Smith brothers 28 days and they arrived on the 10th of December in Darwin. It was so impressive that they were knighted. Now they are Sir Ross and Sir Keith.

DAVID BYRNE, AVIATION HISTORIAN: When you think of the words of the American NASA Director who said this flight was similar to putting the first person on the Moon.

KID FOUR: This week is 100 years since the Epic Flight, so schools all around SA are learning about it.

We've been doing projects on the Smiths.

KID ONE: It's been really amazing to find out about these guys and their inspirational journey.

Did You Know?

Did you know, the two mechanics on board had to get creative to keep their Vickers Vimy flying over the 28-day journey. They once used a piece of chewing gum to fix a cracked part of the engine.

Ash Barty Profile

Reporter: Amelia Moseley

INTRO: Tennis fans have been celebrating the news that Aussie legend Ash Barty will finish the year as world number one. Let's check out Barty's awesome career so far and hear from some of her hometown fans.

She's the Aussie tennis star that's known to bring the party. Yeah, the Barty Party. You knew I was gonna say that, right? The 23-year-old Indigenous Aussie's been absolutely smashing it this year. She won the French Open and the WTA Finals in China; Something no Aussie woman's done since this tennis star, Evonne Goolagong-Cawley, took out the title back in 1976.

Barty pocketed 6.4 million dollars for coming in first. That's the biggest prize ever won by any tennis player ever. And, to top it all off, she became the first Australian woman to finish the year as world number one and the second Australian tennis player ever to pull that off.

ASH BARTY, PROFESSIONAL TENNIS PLAYER: It's bizarre if I'm being totally honest, it's been the most incredible year for myself and for my team.

While it's a big deal for Barty, it's also a big deal for some of her biggest young fans back in her hometown of Ipswich, Queensland.

STUDENTS: Wait, when did she graduate, like 2014?

These guys go to Barty's old school. And they say it's awesome following in her footsteps.

MALERA, STUDENT: At first, I didn't know she was going to the same school as us and I was like "Wow, she's so young and she's like really good at tennis."

KYRA, STUDENT: There's a few pictures of her around the school and the teachers are always saying stuff about her and quoting her. It's pretty cool.

And Barty's hard work on and off the court has also inspired these students in the classroom.

BOLISE, STUDENT: She makes me like not give up, just try and try and try and keep going, even if I get pushed down, get a D, just keep going, keep going til I rise up and get an A.

KYRA, STUDENT: She kind of set the bar with being so successful. I think it just really proves that if you try your hardest and if you know you have hope and dedication you can do anything.

Barty started playing tennis when she was just five years old at this local tennis club and players here have an extra special connection to her.

TENNIS PLAYER 1: I've pretty much known her since I was born. When she had her break, she coached me and it's amazing to see, watching her on the TV doing so well.

Yeah, you heard that right. These tennis champs in training were lucky enough to be coached by the now world number one and she definitely left a good impression.

TENNIS PLAYER 2: She taught me a fair few things as I was playing tennis when I was younger and it's sort of come through as I've gotten older and stronger.

TENNIS PLAYER 3: She was so lovely and she told us so many stories about her experience and she was always trying to help you to achieve your best and she really helped me as well.

These guys say they've been inspired by Barty's rise to the top.

TENNIS PLAYER 3: It's really cool that she started off here just like a lot of us and she's been able to become the number one player in the world. It's really inspiring and I'm really proud of her.

TENNIS PLAYER 1: Yeah, she's definitely a role model. She inspires so many young children just to be happy and if you like something just to go for it and that hard work really does pay off.

And who knows maybe we'll see one of these girls up against Barty on a court in the future.

TENNIS PLAYER 5: I want to be a professional tennis player when I grow up, so her world number one as the Australian player is a great inspiration.

Quiz

Which of these other sports has Ash Barty played professionally? Is it:

Soccer
Cricket
Or AFL?

The answer is cricket. She played 9 matches for the Brisbane Heat in the Women's Big Bash League back in 2015. Her top score was 39.

Sport

France has won the Fed Cup, after beating Australia in the final on the weekend. Australia was hoping to win its first Fed Cup title since 1974 and the tournament came down to a deciding doubles match. Ash Barty and Sam Stosur couldn't get it done, losing in straight sets. It's France's first Fed Cup in 16 years. Barty also lost her singles match earlier in the day ending her 15-match winning streak in the comp. And she took the loss

pretty hard.

It's been a huge week in Aussie soccer with the signing of a new equal pay deal for The Matildas. The top earning Socceroo will now earn exactly the same as the top earning Matilda each year. There will be equal conditions for the Matildas, like business class travel and there'll be an even split between how much the male and female teams get from things like tv deals.

ELISE KELLOND-KNIGHT, MIDFIELDER: For me the big win is for this younger generation so they're looking at this new deal now they're thinking "wow I can make a go of this."

The Matilda's played their first game with the deal in place on Saturday. A record-breaking crowd of 20,000 people showed up in Sydney for the friendly against Chile. The Aussie's won 2-1 with Sam Kerr scoring both goals. She now has 38 career goals for Australia. Wow.

Thousands of gaming fans packed a Paris arena on Sunday for one of the biggest esports events of the year, the world championships of League of Legends. China's FunPlus Phoenix swept the tournament beating Europe's G2 Esports 3-0 in the grand final. The champions got this big shiny trophy, oh and a cash prize of well over 1.2 million dollars.

Jousting

Reporter: Jack Evans

INTRO: Finally today, the Ashes in Armour tournament has just wrapped up in Victoria. What's that, you ask? It's a jousting competition, which is a sport that dates back to the Middle Ages. We found out how it works and why it's making a comeback.

Horses, very heavy but shiny Armour and long pointy stick things. Yup, this is jousting or more specifically this is the Ashes in Armour. A tournament between six of the best jousters from Australia and England - hence the ashes part, you know cricket.

ANDY DEANE, JOUSTER: England and Australia of course that's a rivalry head and shoulders above most.

Now you might be thinking, this looks like some sort of sport from the Middle Ages, well you'd be right. Jousting started in France in 1066. Back then knights would travel across the land to compete for money and honour. The rules are pretty simple really, two knights charge at each other on horseback with lances, which are those long pointy stick things. They each try to hit the other as hard as possible and off their horse. The amount of points you score depends on how hard you hit or how much of your lance breaks during the attack. Oh, and don't worry, I know this might look really dangerous and I guess it kinda is, but that's why these guys are wearing that shiny armour to protect themselves.

ANDY DEANE, JOUSTER: The reason it's so shiny is partly because my squire is constantly cleaning it, but partly because it deflects some of the energy so it frames my beautiful features but also acts as a way of not getting me killed.

In the past 50 years jousting has had a bit of a revival and today there are major tournaments right around the world.

PHIL LIETCH, JOUSTER: Jousting can stand on its own right. It's just spectacular to watch there's a lot of colour, there's the animals, the randomness, it's exciting and fast pace so yeah everyone does seem to enjoy watching a joust.

Phil here is a pretty big jousting enthusiast, in fact he's the current world champion. He even lives in this castle, where the Ashes in Armour took place, how cool is that.

PHIL LIETCH, JOUSTER: It's the first time we've had an all English team versus and all Australian team.

This year the Aussies reigned supreme taking home the crown or ashes or I'm not really sure what they won? Honour? Probably honour.

Closer

Well that's it for today but we'll be back with more for you next week. In the meantime, you can check out our website for all the latest news. Have an awesome week. See you next time. Bye.