

# DIGITAL RESOURCE



## Mt Resilience

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Mt Resilience is an augmented reality (AR) experience whereby students can witness how a community prepares and responds to bushfires and storms. Mt Resilience was made in conjunction with ABC TV's three-part series, *Big Weather (and how you survive it)* (2019) and it includes stories from the series. Indigenous knowledge, community and innovation are at the forefront of the ways the community at Mt Resilience prepares and responds to the disasters it faces.

Explore Mt Resilience using your device, tablet or desktop computer. However, it works best on your mobile. You scan the QR code to open Mt Resilience on your device [here](#) or on your desktop [here](#).



Source: <https://www.mtresilience.com/>

Geography examining the impact of bushfires or floods on environments and communities, and how people can respond. Additional disaster resilience resources are included and hyperlinked at the end of the BTN worksheet.

### Additional Resources

The following resources can be used to support the inclusion of the Mt Resilience App and *Big Weather (and how you survive it)* (2019) in teaching hazards and disasters in Stage 3 and/or Stage 4. The resources can be adapted and modified to be relevant for each Stage.

#### Mt Resilience Website

<https://abc.net.au/mtresilience>. 2021. *Explore Mt Resilience in AR*. [online] Available at: <https://www.mtresilience.com/> [Accessed 4 February 2021].

#### BTN – Mt Resilience AR App

App, M., 2021. *Mt Resilience AR App*. [online] BTN. Available at: <https://www.abc.net.au/btn/classroom/mtresilience-ar-app/12802730> [Accessed 4 February 2021].

The app and associated activities are suitable for the study of Bushfire Hazards in Stage 3 and Storms as a Natural Hazard in the Stage 4 topic Water in the World. BTN has developed a [worksheet](#) for Year 5.

# DIGITAL RESOURCE: MT RESILIENCE

## How can I try Mt Resilience – the ABC’s new Augmented Reality experience? (ABC)

ABC Help. 2021. *How can I try Mt Resilience – the ABC’s new Augmented Reality experience?* [online] Available at: <https://help.abc.net.au/hc/en-us/articles/360002034456-How-can-I-try-Mt-Resilience-the-ABC-s-new-Augmented-Reality-experience-> [Accessed 4 February 2021].

## Mt Resilience: How one community responds to big weather (ABC)

Splash. 2021. *Education resources for schools teachers and students – ABC Education.* [online] Available at: <https://education.abc.net.au/home#!/media/3721309/mt-resilience> [Accessed 4 February 2021].

## Big Weather Resources

Splash. 2021. *Education resources for schools teachers and students – ABC Education.* [online] Available at: <https://education.abc.net.au/home#!/topic/3710253/big-weather-and-how-to-survive-it> [Accessed 4 February 2021].



Source: <https://knowledge.aidr.org.au/resources/big-weather/>



Source: <https://www.abc.net.au/news/redirects/backstory/2020-11-19/the-making-of-mt-resilience-ar-project/12891282>

## Big Weather and how you survive it – The Australian Institute for Disaster Resilience (AIDR)

Knowledge.aidr.org.au. 2021. *Big Weather | Australian Disaster Resilience Knowledge Hub.* [online] Available at: <https://knowledge.aidr.org.au/resources/big-weather/> [Accessed 4 February 2021].

## Big Weather Quizzes – The Australian Institute for Disaster Resilience (AIDR)

Knowledge.aidr.org.au. 2021. [online] Available at: <https://knowledge.aidr.org.au/media/8083/big-weather-quizzes.pdf> [Accessed 4 February 2021].

## Big Weather YouTube Playlist

Youtube.com. 2021. [online] Available at: [https://www.youtube.com/playlist?list=PLsPVodZ3LN6fCxid-azSPh\\_HLwsAxlvsh](https://www.youtube.com/playlist?list=PLsPVodZ3LN6fCxid-azSPh_HLwsAxlvsh) [Accessed 4 February 2021].

## Preparing the fire season with cultural burning

2021. [online] Available at: <https://www.youtube.com/watch?v=IXk5idKCfpo&feature=youtu.be> [Accessed 4 February 2021].

## Extreme Weather – BTN

<https://www.abc.net.au/btn/classroom/extreme-weather/10790694>

## Black Summer Bushfire Special – BTN

<https://www.abc.net.au/btn/classroom/20200204-ep1-btn/11911010>

The following worksheet from ABC Behind the News (BTN) was developed to support teachers to use the Mt Resilience App in their classrooms.

<https://www.abc.net.au/cm/lb/12802478/data/mt-resilience-ar-app-%25E2%2580%2593-teacher-resource-%28pdf%29-data.pdf>



Teacher Resource

Episode 30  
27<sup>th</sup> October 2020

## Mt Resilience AR App

### Focus Questions

1. Discuss the *Mt Resilience AR App* story with another student and record the main points.
2. Australia has always had severe weather. True or false?
3. Finish the following sentence: In more recent decades, Australia is getting longer and more intense...
4. Is Australia experiencing more or fewer floods in recent years?
5. What has the ABC created to look at how we can adapt to a changing climate?
6. Briefly explain what Mt Resilience is.
7. Mt Resilience explains what sorts of things can be done to adapt to a changing climate. Give some examples.
8. What do you think it means to be disaster resilient?
9. What was surprising about this story?
10. What do you understand more clearly since watching the BTN story?

### Activity

#### Class Discussion

As a class discuss the BTN *Mt Resilience AR App* story, using the following questions as a guide. Record students' responses.

- What extreme weather does Australia experience? Give examples.
- What impact can extreme weather have on people and the environment?
- What does it mean to be resilient?
- What does it mean to be disaster resilient?
- What did you learn from the BTN *Mt Resilience AR App* story?
- Think of three questions you have about the story.

### Activity

#### Key Words

Students will brainstorm a list of key words that relate to the BTN *Mt Resilience AR App* story. Here are some words to get you started.

|                 |                  |                  |
|-----------------|------------------|------------------|
| Resilience      | Natural disaster | Cultural burning |
| Extreme weather | Predict          | Prepare          |
| Fire resilient  | Adapt            | Climate          |

### Key Learning

Students will learn more about adapting and responding to extreme weather events.

### Curriculum

#### Geography – Year 5

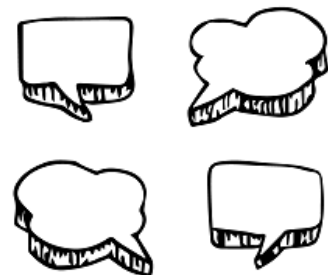
The impact of bushfires or floods on environments and communities, and how people can respond.

#### Science – Year 6

Scientific understandings, discoveries and inventions are used to solve problems that directly affect peoples' lives.

The growth and survival of living things are affected by physical conditions of their environment.

Sudden geological changes and extreme weather events can affect Earth's surface.



## Activity

### Mt Resilience

Students will visit Mt Resilience – an augmented reality experience that allows students to explore a town that's been designed around climate and disaster preparedness.

The app works on both phones and tablets. Get the app [here](#). Go [here](#) to find out more about the technical specifications for the app.



### Explore the features of Mt Resilience

Working in pairs, look around Mt Resilience. Practise navigating your way around the town by zooming and rotating. Respond to the following:

- Mt Resilience is a town that's built to adapt to our changing...
- As you look around the town, what do you notice?

Tap each of the four information icons - Community Centre, Communication, Medical Centre and Wildlife.

- **Community Centre** – Why are community centres important when preparing for and recovering from a disaster?
- **Communication** – Why is communication essential during a disaster?
- **Green zone** – Mt Resilience is surrounded by a green zone. Why is a green zone important?
- **Emergency Plans** – Residents of Mt Resilience have their own emergency plan. What do they do to get their plan together?
- **Wildlife** – How do the people of Mt Resilience value and protect wildlife?
- **Government** – How does the council work with local residents in Mt Resilience?

There are two play arrows. They will take you to the **Fire Resilient House** and **Cultural Burning**

### Fire Resilient House

- How do Sam and Ayla prepare their property for bushfires?
- Explain their power set up.
- What is their bushfire evacuation plan?
- Explore the features of Sam and Ayla's house by tapping on the information icons.

Research examples of bushfire resilient buildings (homes and schools) and gardens. Design a bushfire resilient house or garden. What are the features that make it bushfire resilient?

### Cultural Burning

- What is cultural burning?
- What do rangers consider when they do a low intensity cultural burn?
- What do practices like cultural burning promote?
- Record what you know about the importance of Country to Aboriginal and Torres Strait Islander people.
- How can we learn from Aboriginal and Torres Strait Islander people about looking after Country?
- Explore each information icon in the cultural burning area.

To learn more about cultural burning, go to the [Firesticks website](#). This [Traditional burning video](#) explores bushfire management practices in more detail.



## Mt Resilience – Bushfire Scenario

Tap on the fire icon at the bottom of the screen and listen to the bushfire scenario.

- How did the residents of Mt Resilience prepare for the bushfires?
- How did the community respond to the bushfire?
- Why do you think a bushfire recovery plan is important?

## Activity

### Disaster Resilience Resources

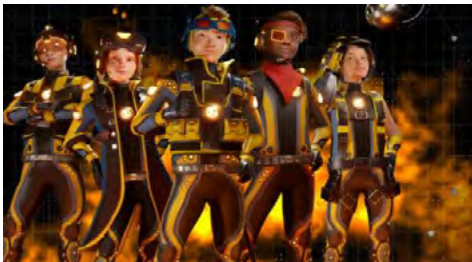
Below is a collection of resources that support both teachers and students learn more about disaster resilience and preparedness.



ABC Education [Big Weather resources](#)



[Disaster Resilience Teaching Resources](#)



[Project Firestorm](#)



[Survive and Thrive in a Bushfire](#)

## Activity

### BTN stories

These BTN stories look at the impact extreme weather and natural disasters have on people and the environment. After watching any one of the BTN videos ask students to respond to the discussion questions (to find the teacher resources go to the related BTN Classroom Episode and download the Episode Package).



[Extreme Weather](#)



[Fire Preparations](#)



[Black Summer Bushfire Special](#)



[Heatwaves](#)



[Burn off Season](#)



[Bushfire Plan](#)