Project Road Map
Team TA30

THEME

Learning about Bushfire

Preparing for Bushfire

Recovery From Bushfire

EPICS

Epic 1: Understanding Bushfire Causes

Epic 2: Interactive Analytics Dashboard
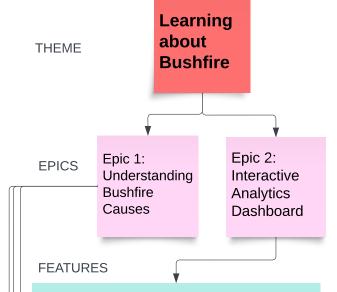
Epic 3: Recognizing Bushfire Risks and Seasons

Epic 4: Survival Skills and Getting Help

Epic 5: Recovering : Personal Stories

Epic 6: Community Recovery .

FEATURES

Bushfire History:

1.**Interactive Timeline:** Shows major bushfire over the past 20 years in a child-friendly format.

2. **Easy-to-understand summaries** for children aged 8-11 years.

3. **Visually Engaging:** Designed to be appealing and interactive for a better learning experience.

Bushfire Causes:

1. An animated sequence that visually explains how hot temperatures, dry conditions, and strong winds contribute to bushfires.

2. The animation should include simple, child-friendly language and visual cues.

3. Character tutors , interactivity to click on elements to learn about causes of bushfires

Bushfire Impact:

1. Engaging, colorful infographic showing the impact on animals during the 2019-2020 bushfires.2

2. Provides short, child-friendly explanations for easy understanding.

Interactive learning and though provoking questions:

• **Exploring Trends:** Animated map showing bushfire occurrences from 1927 to 2023 and bar graph for comparison across time

• **Understanding Risk Levels:** Bubble graph showing at-risk schools with varying sizes.

• **Visualizing School Risk:** Interactive visualization with clear labels for number of school by risk level.

Interactive Bushfire Severity Map

• **Interactive Map:** Displays bushfire severity across Victoria with school locations overlaid.

• **Search and Select:** Allows children to type their school name or select from a dropdown list.

• **Damage Polygon:** Highlights areas affected by bushfire damage.

• **History summary:** Provides information on past bushfire damage in affected areas.

Bushfire Survival Flowchart and Emergency Help

• **Flowchart Design:** Create a cartoon-style flowchart to explain essential bushfire survival skills.

• **Character Integration:** Use Australian animal characters to guide children through the survival steps.

• **Emergency Help Interface:** Develop an interactive interface where characters provide voice-guided instructions for seeking help during an emergency.

Gamified Quizzes

1.The quizzes should be gamified, offering a fun and interactive way to test understanding across the three themes: Learning, Preparing, and Responding to Bushfires.

2.A chatbot should be included to give feedback on quiz results, guiding users on which areas they need to review based on their scores.

Seasonal Bushfire Variation Bar Chart

1.**Bar Chart:** Shows seasonal variation in bushfire incidents over the years.
2.**Interactive Features:** Allows children to explore and interact with the data.
3.**Dual Versions:** Provides standard and colorblind-friendly versions for accessibility.

Bushfire Danger Rating for Schools

1.**Risk Rating Display**: Show current fire danger ratings for schools based on bushfire data.
2.**Data Integration**: Use both historical and real-time data for accurate risk assessments.
3.**Preparedness Support**: Aid schools in understanding and preparing for bushfire risks.

Digital Comic Book and Animated Video

1.The digital comic book should depict the story of community recovery with vibrant illustrations and straightforward text.

2.An option to view an animated video version of the story should be provided, enhancing accessibility and engagement.

Digital Comic Book - True Stories

Digital comic book, with very colorfull picture and simple texts that suitable for age of the audiences.
(Might also be a video with animation.)