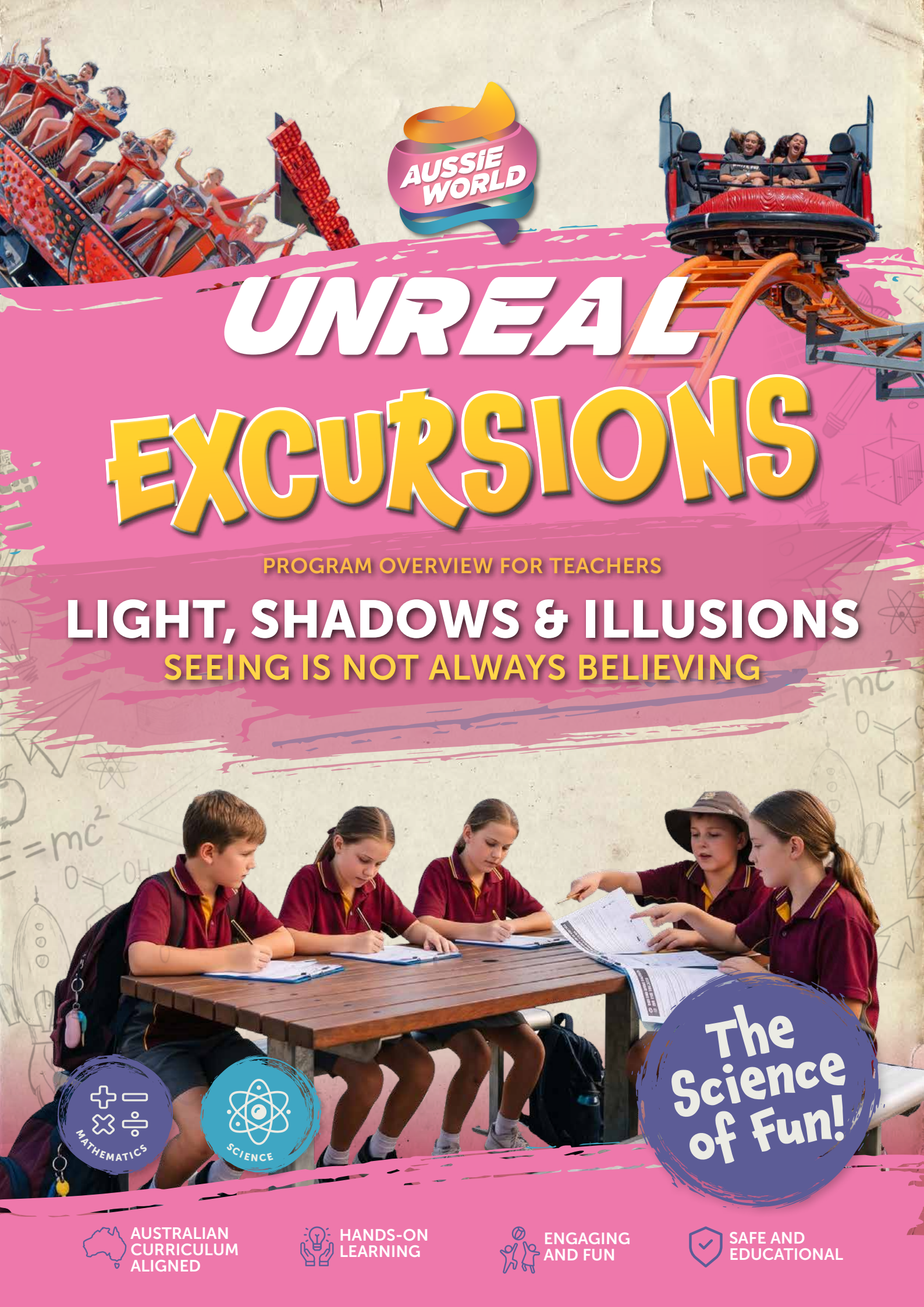
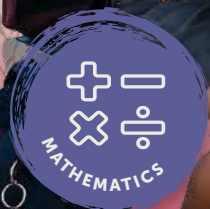




UNREAL EXCURSIONS

PROGRAM OVERVIEW FOR TEACHERS

LIGHT, SHADOWS & ILLUSIONS
SEEING IS NOT ALWAYS BELIEVING





LIGHT, SHADOWS & ILLUSIONS

SEEING IS NOT ALWAYS BELIEVING

Program Overview:

Aussie World's 'Light, Shadows & Illusions' excursion invites students to explore how light helps us see and how it can sometimes trick us! Using interactive attractions like the Illusionarium and Crazy Mirrors, students investigate reflection, shadows, symmetry and optical illusions in fun and surprising ways.

In this self-guided activity, teachers supervise groups of students as they rotate through a series of hands-on stations where they observe, predict, draw and explain how light behaves. They will explore how shadows change, how mirrors reflect light, and how illusions can trick the brain.

This program supports the Australian Curriculum by connecting scientific concepts to real-world experiences in an exciting and memorable environment.

What students will explore:

At four investigation stations, students will investigate:

- Shadow and Sunlight
- How shadows change size and direction
- Relationship between light source and objects
- Mirror Reflections
- How light reflects off surfaces
- Symmetry and mirror images
- Optical Illusions (Illusionarium)
- How the brain interprets what we see
- Why things aren't always as they appear
- Distorted Reflections (Crazy Mirrors)
- How curved surfaces change reflections
- How shape affects light direction

Each station includes structured activities for Grade 3- 6 with opportunities for prediction, observation, recording and explanation.

Curriculum Alignment:

This program aligns with the Australian Curriculum Version 9.0 across Science and Mathematics

Science

Students explore:

- How light travels and interacts with objects to form shadows and reflections
- How surfaces (Flat and curved) affect the direction of light
- How the brain interprets visual information, including optical illusions
- Scientific inquiry through prediction, observation and explanation

Mathematics

Students explore:

- Identify symmetry in reflections and mirror images
- Recognise patterns in shapes and visual transformations
- Use spatial reasoning when interpreting reflections and distorted images

General Capabilities

This program supports:

- Critical and creative thinking
- Visual and spatial reasoning
- Problem solving through observation and investigation

This program is designed to support Science Understanding, Science Inquiry Skills and Mathematics across Grades 3 – 6 in the Australian Curriculum Version 9.0 through engaging real-world STEM experiences.