



## BIG IDEAS

Throughout history paper folds and mechanisms have been used creatively to add movement or three-dimensional elements to texts to entertain, enhance storytelling, convey factual ideas or as mementos for special occasions.

The State Library of South Australia holds many pop-ups and moveable texts in its collections dating from 1586 to the present.

## LEARNING INTENT

### HASS

Investigate historical sources to explore historical concepts including continuity & change, evidence and significance.

Pose inquiry questions and research the history of pop-ups and moveable books.

### TECHNOLOGIES: DESIGN & TECHNOLOGIES

Select appropriate materials components, tools, equipment and techniques and apply safe procedures to make designed solutions.

Develop plans that include designed solutions to achieve intended purpose.

### THE ARTS: VISUAL ARTS

Explore ideas and practices used by artists.

Explain how visual arts conventions communicate meaning by comparing artworks from different social, cultural and historical contexts.

Plan the display of artworks to enhance their meaning for an audience.

## KEY INQUIRY QUESTIONS

- How have historic and contemporary paper engineers incorporated moveable mechanisms for an intended purpose?
- How will I generate and communicate my own design solutions in both written and graphic form?
- What materials and tools will assist me to achieve my intended design solution?
- How might I develop a thought or idea into a visual representation to enhance meaning for an audience?

## POSSIBLE LEARNING PROCESS AND RESOURCES

All digital resources connected with this program are shown below in **COLOURED BOLD CAPITAL LETTERS**. These resources can be found on the State Library of South Australia's website on the [PRIMARY YEARS 3-6](#) page.

**DOWNLOAD** **A Theatre Inside the Book** eBook from the Apple Book Store. This eBook has been developed by the State Library of Australia and co-designed with children, educators and a local artist. It explores paper engineering from the collections of the State Library of South Australia, incorporating a range of media including audio, photographs and video, to bring a curated collection of pop-ups and moveable books to life. Chapters include:

- brief introduction to the State Library of South Australia and its role in learning
- focus on nine selected collection items in detail including historical information, information from curators, videos that illustrate how they move, explanations of the paper mechanisms within the texts, photo galleries and audio descriptions
- step-by-step video instructions on how to make paper mechanisms by paper engineer and artist, James Parker
- photo gallery with examples of works created by children and young people in South Australia
- behind-the-scenes video that reveals the co-design process from the perspective of children and young people involved.

### SAFETY FIRST

Safety is a priority. Advise learners of all safety requirements including guidance and modelling regarding the safe use of tools.

### PAPER ENGINEERING RESOURCES

- Providing various types of paper and card can extend design choices.
- Cutting mats, blades and bone folders are recommended. You may choose to substitute with what you already have such as scissors and pop sticks.
- Print A3 PDF **POP-UPS AND MOVEABLE BOOKS DESIGN PLAN** for each learner/learning partnership and a **PAPER ENGINEERING MECHANISMS POSTER** or **PAPER ENGINEERING MECHANISMS CARDS**.

### INVESTIGATING

- Explore the eBook to research pop-ups and moveable books from an historical perspective.
- Investigate a range of fiction and non-fiction pop-ups and moveable texts including the eBook, books from home or from libraries.
- Identify different types of paper mechanisms & examine how these are used to entertain, enhance storytelling, convey factual ideas or used as mementos for special occasions. Refer to A3 **PAPER ENGINEERING MECHANISMS POSTER** or **CARDS**.
- Explore the e-Book videos to learn techniques from an expert paper engineer.

### PLANNING & GENERATING

- Practice the art of paper engineering and experiment with various techniques to create paper mechanisms.
- Provide a design brief e.g. design and construct a moveable text to communicate factual information or tell a story.
- Work individually or with a partner to address the design brief and generate a plan that incorporates one or more mechanisms. Provide A3 **POP-UPS AND MOVEABLE BOOKS DESIGN PLAN** for each learner or partnership.
- Take inspiration from the work of others such as 'A Theatre Inside the Book' eBook photo galleries, displayed pop-up books or cards.
- Share plans with peers and provide each other with feedback.

### MAKING

- Refer to James Parker's step-by-step video instructions to assist with the making process.
- Prototype designs and modify based on prototype tests and feedback from peers and adults.
- Create a final design.

### EVALUATING & RESPONDING

- View each other's final designs through a gallery sharing process.
- Create a curated display or exhibition for an audience.
- Gather feedback from audience about how effectively designs achieved the intended design brief.