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## How To Make Tunnel Books

### 1. Overview

- a. In this detailed lesson, artist, printmaker, and educator Barbara Mason demonstrates how to make tunnel books in two ways – using an original piece of your artwork and using existing drawings from a coloring book or any other artwork students can cut out. Either way, students will learn how to create a simple yet dynamic 3-D work that combines individual layers and graphics elements that students will cut out and paste together. Students will complete a unique work of art and learn a process that can be used to make future projects. Students can be prompted to think about ways you might tell a story using a tunnel book. This lesson includes two complete demonstrations, with slightly different wrinkles in final construction.
- b. Grade level: Preschool – 6<sup>th</sup> Grade
- c. Vocabulary
  - i. Tunnel Book
  - ii. Background
  - iii. Foreground
  - iv. 18<sup>th</sup> Century
  - v. 19<sup>th</sup> Century
  - vi. Set Design
- d. Art Medium
  - i. Card stock paper, white and colored
  - ii. Glue stick
  - iii. Scissors
  - iv. Colored pencils
  - v. Crayons

### 2. What is a Tunnel Book?

- a. Tunnel books tell a story through a three-dimensional structure. They consist of a series of panels that are layered behind one another to create a sense of depth and perspective. Many books are structured to collapse and expand like an accordion.

3. Fun Facts about Tunnel Books
  - a. The term "tunnel book" derives from the fact that many of these books were made to commemorate the building of the tunnel under the Thames River in London in the mid-19th century. In the United States, tunnel books were made for such attractions as World's Fairs and the New York Botanical Gardens.
  - b. Tunnel Book design was inspired by theatrical stage sets from the same era and earlier.
4. Lesson Plan
  - a. Elements of Art
    - i. Line
    - ii. Shape
    - iii. Form
    - iv. Space
    - v. Color
  - b. Principle of Design
    - i. Balance
    - ii. Emphasis
    - iii. Movement
    - iv. Pattern
    - v. Proportion
    - vi. Repetition
    - vii. Rhythm
    - viii. Variety
    - ix. Unity
  - c. Visualization:
    - i. How would a designer need to plan for a set design?
    - ii. What makes a tunnel book a successful work of art?
    - iii. How do tunnel books show time?
  - d. Goals and Objectives
    - i. Students will observe and understand background and foreground elements.
    - ii. Students will understand the composition of a story.
    - iii. Students will craft a tunnel book that will stand on its own, with or without help according to their grade level.
  - e. Students Critique Questions
    - i. What do you like about your work?
    - ii. What do you like about your classmates' work?
    - iii. What might you do differently next time?
    - iv. How do you see tunnel books as similar to set designs?

5. Standards Met

- a. To meet standards, students should be encouraged to watch the following videos
  - i. Meet Paper Engineer Matthew Reinhart creator of pop-up books featuring Star Wars to Harry Potter, <https://www.youtube.com/watch?v=MReKMA9R-Cw>
  - ii. Creating an 18th-century Mechanical Theatre, <https://www.youtube.com/watch?v=CbhLBP78CTA>
  - iii. Laura Carson creates a tunnel book featuring, *The Secret Garden*, <https://www.youtube.com/watch?v=gwYa4BcHqIM>

COMPLIANCE WITH EDUCATIONAL STANDARDS (PER GRADE)

Pre K

Stencils are available as PDF's on the Golden Road Arts website. They can be decorated. Students will need to have assistance cutting out the images. The images can be arranged and glued by students. Students will need assistance assembling their tunnel books.

VA.1.CR1.PK.#1.& #2., VA.2.CR2.PK #2., VA.3.CR3.PK #1. & 2., VA.7.RE1.PK #1, VA.8.RE2.PK #1. & 2., VA.9.RE3.PK #1, VA.10.CO1.PK #1., VA.11.CO2.PK #1. & #2., VA:Cr1.2. PKa, VA:Cr2.1PKa, VA:Cr3.1.PKa, VA:Pr5.1.PKa, VA:Re.7.2.Ka, VA:Re8.1.Pka, VA:Re9.1.Pka, VA:Cn11.1Pka

Kindergarten

Stencils are available as PDFs on the Golden Road Arts website. They can be decorated. Students will need to have assistance cutting out the images. The images can be arranged and glued by students. Students will need assistance assembling their tunnel books.

VA.1CR1.K #1 & #2., VA.3.CR3.K #1 & #2. VA.5.PR2.K #1., VA.7.RE1.K #1., VA.8.RE2.K #1., VA.9.RE3.K #1., VA.11.CO2.K #1., VA:Cn11.1.1a

1<sup>st</sup> Grade

VA.1.CR1.1 #2. & #3., VA.2.CR2.1 #1. & #3, VA.3.CR3.1 #2., VA.6.PR3.1 #2, VA.7.RE1.1 #1. & 2., VA.9.RE3.1 #1., VA.10.CO1.1 #1. &2., VA.11.CO2.1 #1. & #2., VA:Cr1.1.1a, VA:Cr2.1.1a, VA:Cr3.1.1a, VA:Pr4.1.1a, VA:Pr6.1.1a,

## 2<sup>nd</sup> Grade

VA.1.CR1.2 #1. & # 2., VA.2.CR2.2 #1., VA.3.CR3.2 #2. & #3.,  
VA.5.PR2.2 #1., VA.6.PR3.2 #2., VA.7.RE1.2 #1., #2. & #3.,  
VA.9.RE.2 #1., VA.10.CO1.2 #2., VA.11.CO2.2 #1. & 2.,  
VACr1.1.2a, VA:Cr1.2.2a, VA:Cr2.1.2a, VA:Cr3.1.2a, VA:Pr6.1.2a,  
VA:Re9.1.2a, VA:Cn11.1.2a

## 3<sup>rd</sup> Grade

VA.1.CR1.3 #3., VA.CR2.3 #1., VA.3.CR3.3 #3., VA.5.PR2.3 #2.,  
VA.7.RE1.3 #1. & #2., VA.8.RE2.3 #2., VA.9.RE3.3 #1. & #2.,  
VA.10.CO1.3 #1. & 2., VA.11.CO2.3 #1. & #2. VA:Cr1.1.3a,  
VA:Cr1.2.3a, VA:Cr2.1.3VA:Cr3.1.3a, VA:Pr6.1.3a, VA:Re.7.1.3a,  
VA:Re9.1.3a, VA:Cn11.1.3a

## 4<sup>th</sup> Grade

VA.2.CE.4 #1., VA.3.CR3.4 #1. & #3., VA.5. PR2.4 #1. & #2.,  
VA.7.RE1.4 #1. #2. #3. VA.8.RE2.4 #1. VA.9.RE3.4 #1. & #2.,  
VA.10.CO1.4 #2., VA.11.CO2.4 #1. & #2., VA:Cr1.1.4a,  
VA:Cr1.2.4a, VA:Cr3.1.4a, VA:Pr4.1.4a, VA:Pr6.14a, VA:R2.7.1.4a,  
VA:Re8.1.4a, VA:Re9.1.4a, VA:Cn11.1.4a

## 5<sup>th</sup> Grade

VA.1CR1.5 #1., #2. & #3., VA.2.CR2.5 #1., VA.3.CR3.5 #3.,  
VA.5.PR2.5 #3., VA.6.PR3.5 #2., VA.7.RE1.5 #2. & 3.  
VA.9RE3.5 #1. & #2., VA.10.CO1.5 #1. & #2.

## 6<sup>th</sup> Grade

VA.1.CR1.6 #2. & #3., VA.2.CR2.6 #1., VA.3.CR3.6 #1., #2., #3.,  
VA.3.CR3.6 #4., VA.5.PR2.6 #2. & #3., VA.6.PR3.6 #2. & 3.  
VA.7. RE1.6 #2. & #3., VA.9.RE3.6 #1. & #2., VA.10.CO1.6 #1. &  
#2.