


**GRADE 1 - 12 LESSON PLAN  
HOWARD IRON WORKS – PRINTING PRESS TOUR/DEMO**

<b>Lesson Plan Information</b>	
Grade: 1 - 12	
Subject: Arts (Visual Arts)	
Language Arts (Media Literacy)	
English (Media Studies)	
Duration: 2 hours	

<b>Lesson Plan Overview and Objectives</b>
<p>Students will take a tour of Howard Iron Works printing press museum where they will learn the history of printmaking with a focus on letterpress and lithography.</p> <p>Students will gain an understanding of the mechanics of hand printing on a press by watching a printmaker ink a plate and pull a print.</p> <p>They will use appropriate terminology related to printmaking, and demonstrate an understanding of printmaking presses, history, materials and tools.</p>

**AT QUEEN ELIZABETH PARK COMMUNITY AND CULTURAL CENTRE**

<b>Printing Press Tour / Demo at Howard Iron Works</b>	
<b>Materials</b>	Printing plate, white cover stock – single weight, water based printmaking ink (yellow, red, blue), brayer, barren, cartridge paper (printing)
<b>Introduction / Tour</b>	<p>The instructor introduces the museum and the early history of the printing press. Discuss current printed matter and modern printing techniques. Introduce traditional printing methods used before electricity. Take a tour of Howard Iron Works and introduce the development of iron presses from the 19<sup>th</sup> and 20<sup>th</sup> centuries.</p> <p><b>Guiding questions</b></p> <ul style="list-style-type: none"> <li>- What can you tell me about printing, what is it and where do we see printed matter?</li> <li>- How do we print papers, posters and books today? How do you think they were printed before electricity was invented?</li> <li>- Why was it important to be able to print text and images? Can you imagine the ways this changed the world?</li> <li>- What do you think Gutenberg’s printing press was made of? What was it used for?</li> </ul> <p><b>Art terms to be covered:</b></p> <ul style="list-style-type: none"> <li>- Elements of design</li> </ul>

	<ul style="list-style-type: none"> <li>- Principles of design</li> <li>- Printmaking</li> <li>- Printing press</li> <li>- Lino</li> <li>- Letter press</li> </ul>
<b>Demonstration</b>	<p><b><i>Demo / Look-and-Find</i></b>          Students are split into 2 groups. Group 1 explores the tools and print exhibition following a look-and-find activity sheet in pairs. Group 2 watches a printmaking demonstration followed by the chance to pull their own print. Groups switch halfway through.</p> <p><b><i>Printmaking demonstration by the fine art instructor</i></b>          The instructor demonstrates the step-by-step process of printing a lino plate and printmaking.</p> <ul style="list-style-type: none"> <li>- Demonstrate how the press operates.</li> <li>- Apply printmaking ink with a brayer to the demonstration plate.</li> <li>- Place cartridge paper over the inked plate and run the plate through the press. Carefully peel the paper off of the plate to reveal the print.</li> </ul> <p><b><i>Pulling a print</i></b>          Students have the opportunity to ink the plate, and run their print through the press.</p> <p><b><i>Art terms to be covered</i></b></p> <ul style="list-style-type: none"> <li>- Print</li> <li>- Printmaking</li> <li>- Press</li> <li>- Lino</li> <li>- Brayer</li> <li>- Baren</li> <li>- Printing plate</li> <li>- Printing ink</li> </ul>

**FOR TEACHER BACK AT SCHOOL – POST-VISIT ACTIVITIES**

<b>Post-Visit Activity</b>	Make a class newspaper or newsletter
<b>Materials</b>	Pencil, eraser, paper, computer, printer
<b>Class Newsletter</b>	
<ul style="list-style-type: none"> <li>• Use tabloid size (11x17")</li> <li>• Choose a name for the paper and decide on what it will contain: sports, entertainment, weather, etc.</li> <li>• Create assignments for what each student will write and photograph.</li> <li>• Set rough draft deadline and final deadline.</li> <li>• 2-3 articles per page minimum: 2 articles of 750 words or 3 of 500.oto per article.</li> <li>• Include at least 1 corresponding photo per article; 2 would be good.</li> <li>• It is easier to re-size images so base the newspaper layout around the articles and then fit in the images, not vice versa.</li> </ul>	

- Option 1: Use graphic design software of your choice. Or use a variety of free templates you can google. Option 2: Use a tabloid-size piece of paper as the support and collage your articles and photos on it, then photocopy.
- Layout and Design tips:
  - Insert articles first.
  - Use 11 pt or 12 pt serif font.
  - Use 14 pt or 16 pt for titles, except for feature stores, which should be 16 pt.
  - Use 3 or 4 columns.
  - Leave at least 1/8<sup>th</sup> inch between columns. Make them consistent.
  - Leave same amount of space between text boxes and images.
  - Use only 2 or 3 fonts maximum. Keep all titles same font, and all copy text same font.
  - Align everything.
  - Crop pictures to fit space; do not stretch or shrink them. Always keep them proportional.
  - Don't crowd your newspaper; leave some room.
  - Proofread entire paper before publishing.
  - Print and distribute paper.

### **FOR TEACHER REFERENCE ONLY – CURRICULUM CONNECTIONS**

<b>Cross Curricular and Integrated Learning</b>	
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*Language Arts (Reading, Writing, Media Literacy)*

See Newspaper activity above.

<b>Curriculum Expectations</b>
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**The Arts (Visual Art)**

*Fundamental Concepts:*

**Elements of Design** (line, shape and form, space, colour, texture, value)

**Principles of Design**

Grade 1: Contrast

Grade 2: Repetition and Rhythm

Grade 3: Variety

Grade 4: Emphasis

Grade 5: Proportion

Grade 6: Balance

Grade 7: Unity and Harmony

Grade 8: Movement

Grade 9: Elements and Principals of Design

Grade 10: Elements and Principals of Design

Grade 11: Elements and Principals of Design

Grade 12: Elements and Principals of Design

**Language Arts (Media Literacy)**

Topic Grade 7: Understanding Media Forms, Conventions, and Techniques

Topic Grade 8: Creating Media Texts

**English** (Media Studies)

Topic Grade 9: Understanding Media Forms, Conventions, and Techniques

Topic Grade 10: Understanding Media Forms, Conventions, and Techniques

Topic Grade 11: Understanding Media Forms, Conventions, and Techniques

Topic Grade 12: Understanding Media Forms, Conventions, and Techniques