

Submitted by Frank Holthouse

BELLWORK

Bring in several commercial projects and ask students to examine and determine Which of these were screen-printed?

OBJECTIVES

Students will be able to ...

- Explain how a variety of modern printing functions
- Research initial cost
- Calculate pay back time of assigned printing technology

MATERIALS NEEDED

- Variety of Printed Products
- Chromebook with Internet Access
- Google Apps for Education

LESSONS

You and your partner are executives of a printing company. Your boss is looking to expand and make the business more profitable. Research and present your findings.

In groups of two, students will choose a printing technology from the following list:

- Manual Screen Printing Press
- Automatic Screen Print Press
- Automatic Glass Screen Printer
- Embroidery Machine
- 4-color Offset Press

Once you and your partner have chosen your technology research the following:

- How does your technology work?
- How many products can your machine produce per hour?
- What locate three prices for your technology. Calculate the average.
- What is the wholesale cost of your media? (Glass, button-down shirt, t-shirt, paper)
- What is the retail cost of the item? (Souvenir glass, shirt, calendar, magazine, etc)
- What is your annual labor cost if you ran 1, 2, or 3 or three shifts at 10 dollars and hour?
- Assuming no other costs, how long would it take to recoup the initial purchase price of the machine?
- What is the annual profit after the machine is paid off?

Create a presentation for your boss. Remember the to use the guide for a good presentation.

CLOSURE AND LOOKING FORWARD (HOMEWORK TO BE ASSIGNED)

Exit Slip – Which printing technology would you purchase if you owned your own print shop? Why?

Now armed with the appropriate level of background knowledge, students will attend a fieldtrip to Excel printing.