

**LETTER PRESS AND ROTARY PRESS**

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

**LINK**

[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**



**1**

**DESCRIBE THE FUNCTION OF A SIMPLE LETTER PRESS**

Include a sketch(s), in the next box, to support your answer.

---

---

---

---

---

---

---

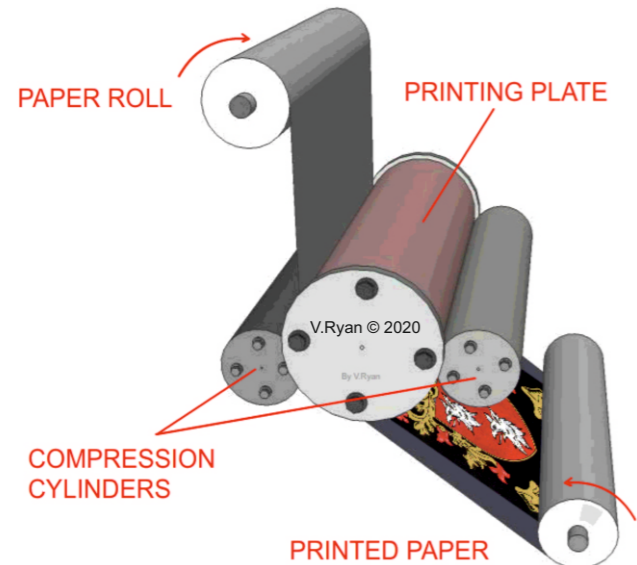
---

**YOUR SKETCH(S) - LETTER PRESS**



**2**

A ROTARY LETTER PRESS IS SHOWN BELOW. DESCRIBE HOW THIS WORKS, IN THE NEXT BOX,



**HOW THE ROTARY LETTER PRESS WORKS.**

---

---

---

---

---

---

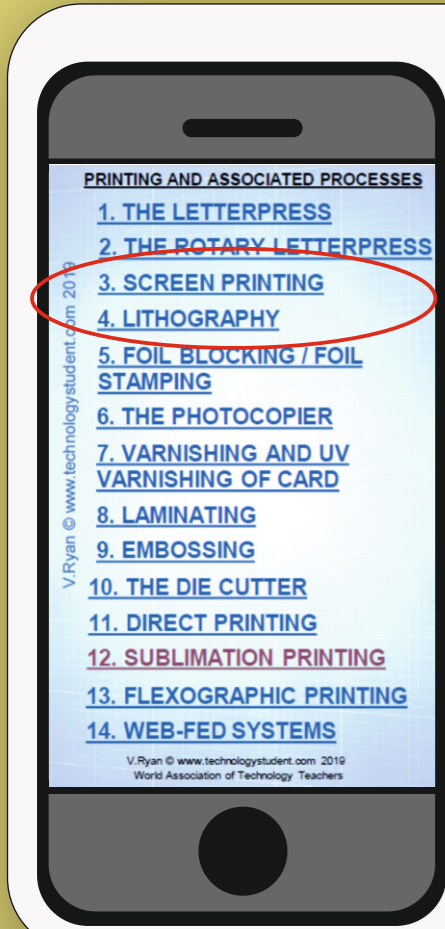
---

---

**3**

SEARCH THE INTERNET FOR IMAGES OF PRODUCTS THAT HAVE BEEN 'PRINTED' USING A LETTER PRESS AND ROTARY LETTER PRESS. PASTE THEM BELOW.

**HELPFUL LINK:** [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)



### SCREEN PRINTING AND LITHOGRAPHY.

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

**LINK**

[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**

**1** DESCRIBE THE TECHNIQUE CALLED SCREEN PRINTING.  
Use the diagram in the next box for reference.

---

---

---

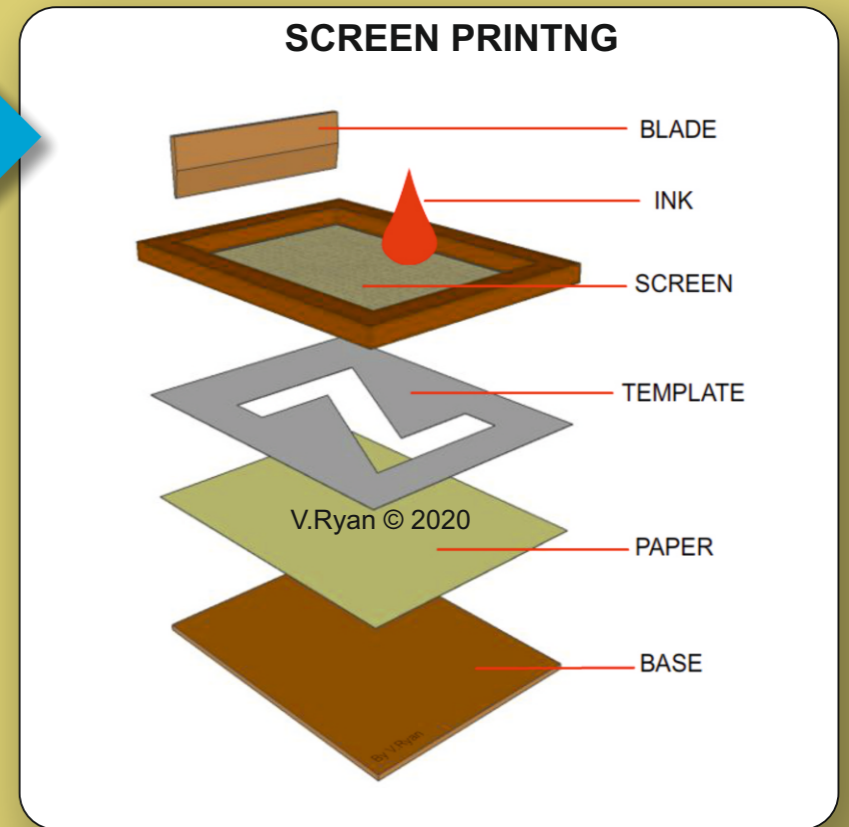
---

---

---

---

---



**2** THE PRINTING PROCESS CALLED 'LITHOGRAPHY', IS SHOWN HERE. DESCRIBE THE PROCESS, IN THE NEXT BOX.

Labels: WATER, INK, PRINTING PLATE, BLANKET CYLINDER, IMPRESSION CYLINDER

V.Ryan © 2020

**YOUR DESCRIPTION OF LITHOGRAPHY.**

---

---

---

---

---

---

---

---

**3** SEARCH THE INTERNET, FOR ONE IMAGE OF A PRODUCT, THAT HAS BEEN SCREEN PRINTED AND ONE THAT HAS BEEN PRINTED, THROUGH LITHOGRAPHY.

<u>SCREEN PRINTING</u>	<u>LITHOGRAPHY</u>

**HELPFUL LINK:** [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

**FOIL BLOCKING AND DIGITAL HOT FOIL BLOCKING.**

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

**LINK**  
[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**

PRINTING AND ASSOCIATED PROCESSES

1. THE LETTERPRESS
2. THE ROTARY LETTERPRESS
3. SCREEN PRINTING
4. LITHOGRAPHY
5. FOIL BLOCKING / FOIL STAMPING
6. THE PHOTOCOPIER
7. VARNISHING AND UV VARNISHING OF CARD
8. LAMINATING
9. EMBOSSING
10. THE DIE CUTTER
11. DIRECT PRINTING
12. SUBLIMATION PRINTING
13. FLEXOGRAPHIC PRINTING
14. WEB-FED SYSTEMS

V.Ryan © www.technologystudent.com 2019  
World Association of Technology Teachers

**1** DESCRIBE THE THREE STAGES OF FOIL BLOCKING / FOIL STAMPING

Include notes and sketches.

---



---



---



---



---



---



---



---

**2** THIS IS DIGITAL HOT FOIL STAMPING.

Explain the process in the next box.

V.Ryan © 2020

HOT PRINT HEAD

SURFACE PLATE

By V.Ryan

**HOT STAMPING**

**YOUR DESCRIPTION OF DIGITAL HOT FOIL STAMPING.**

---



---



---



---



---

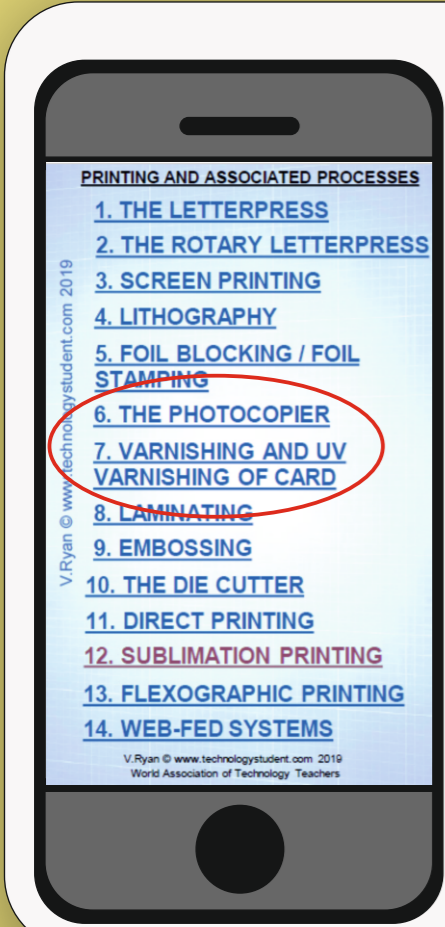


---

**3** SEARCH THE INTERNET, FOR ONE IMAGE OF A PRODUCT THAT HAS BEEN FOIL BLOCKED AND ONE THAT HAS BEEN PRODUCED BY DIGITAL HOT FOIL STAMPING.

<u>FOIL BLOCKED PRODUCT</u>	<u>DIGITAL HOT FOILED STAMPED</u>

**HELPFUL LINK:** [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)



**PHOTOCOPYING AND VARNISHING OF CARD.**

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

**LINK**

[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**

**1**

**PHOTOCOPIERS ARE COMMON. DESCRIBE HOW THEY WORK.**  
Use the diagram in the next box for reference.

---

---

---

---

---

---

---

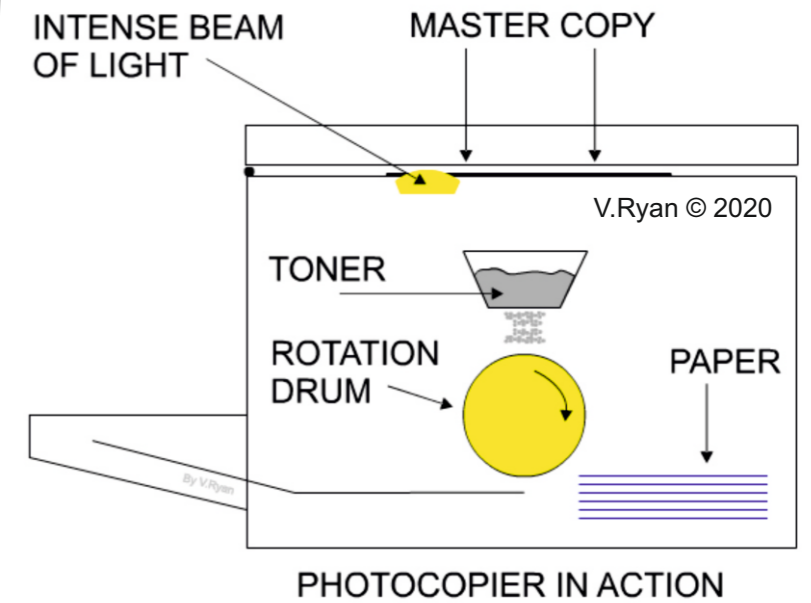
---

---

---

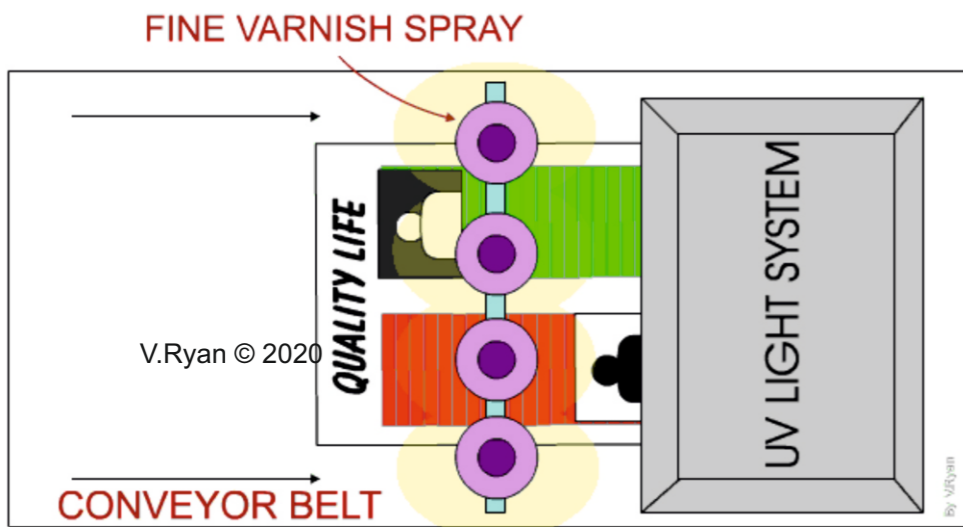


**TYPICAL PHOTOCOPIER**



**2**

**UV VARNISHING IS SHOWN BELOW. DESCRIBE THE PROCESS.**




---

---

---

---

---

---

---

---

---

---

**3**

**WHY ARE SOME CARD PRODUCTS 'FINISHED' THROUGH UV VARNISHING? INCLUDE A LIST OF TYPICAL UV VARNISHED PRODUCTS.**

WHY UV VARNISH?

LIST OF UV VARNISHED PRODUCTS

---

---

---

---

---

---

---

---

---

---

**HELPFUL LINK:** [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)



**LAMINATING, EMBOSSING AND DIE CUTTING.**

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

**LINK**

[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**

**1**

**WHAT IS THE PURPOSE OF LAMINATING CARD / PAPER?**  
Use the diagram in the next box for reference.

---

---

---

---

---

---

---

---

---

---

**2**

**WHAT IS EMBOSSING?**

**GIVE AN EXAMPLE OF AN EMBOSSED PRODUCT**

---

---

---

---

---

---

---

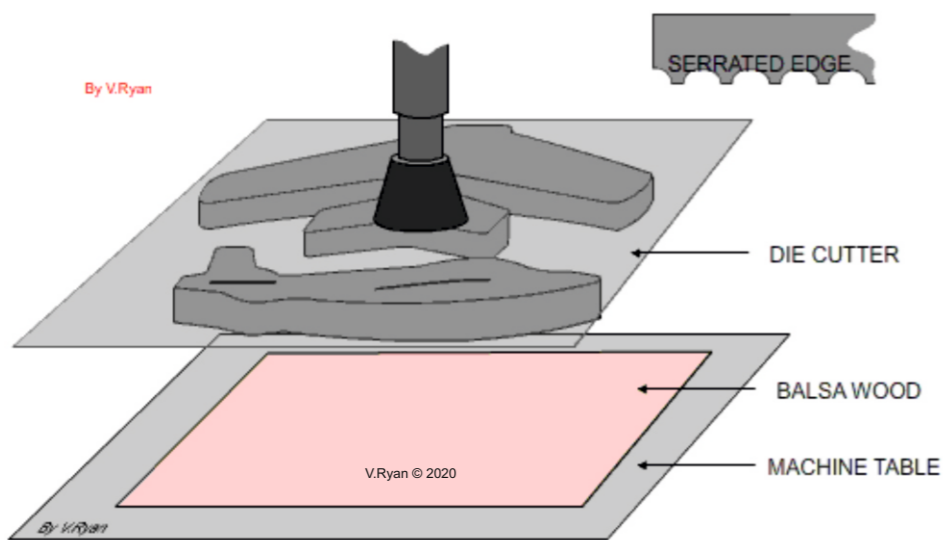
---

---

---

**2**

**DIE CUTTING IS SHOWN BELOW. DESCRIBE THE PROCESS.**




---

---

---

---

---

---

---

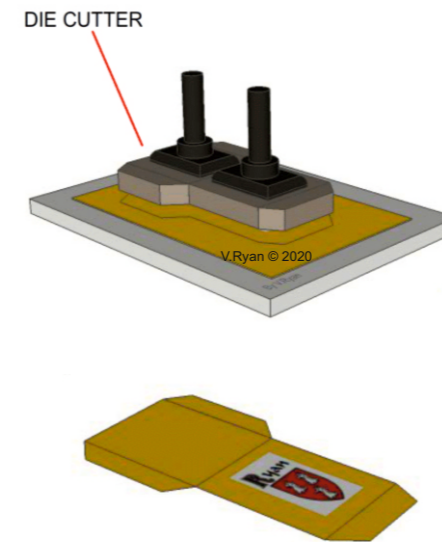
---

---

---

**3**

**WRITE A LIST OF TYPICAL DIE CUT PRODUCTS.**




---

---

---

---

---

---

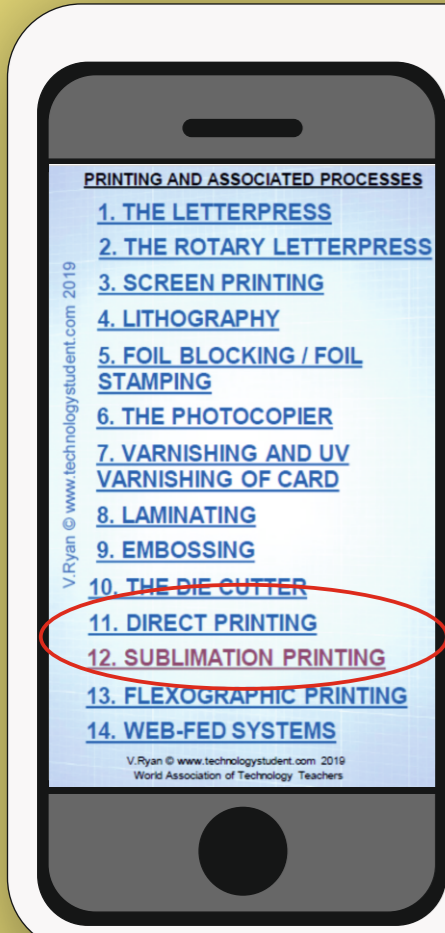
---

---

---

---

**HELPFUL LINK:** [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)



**DIRECT PRINTING AND SUBLIMATION PRINTING.**

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

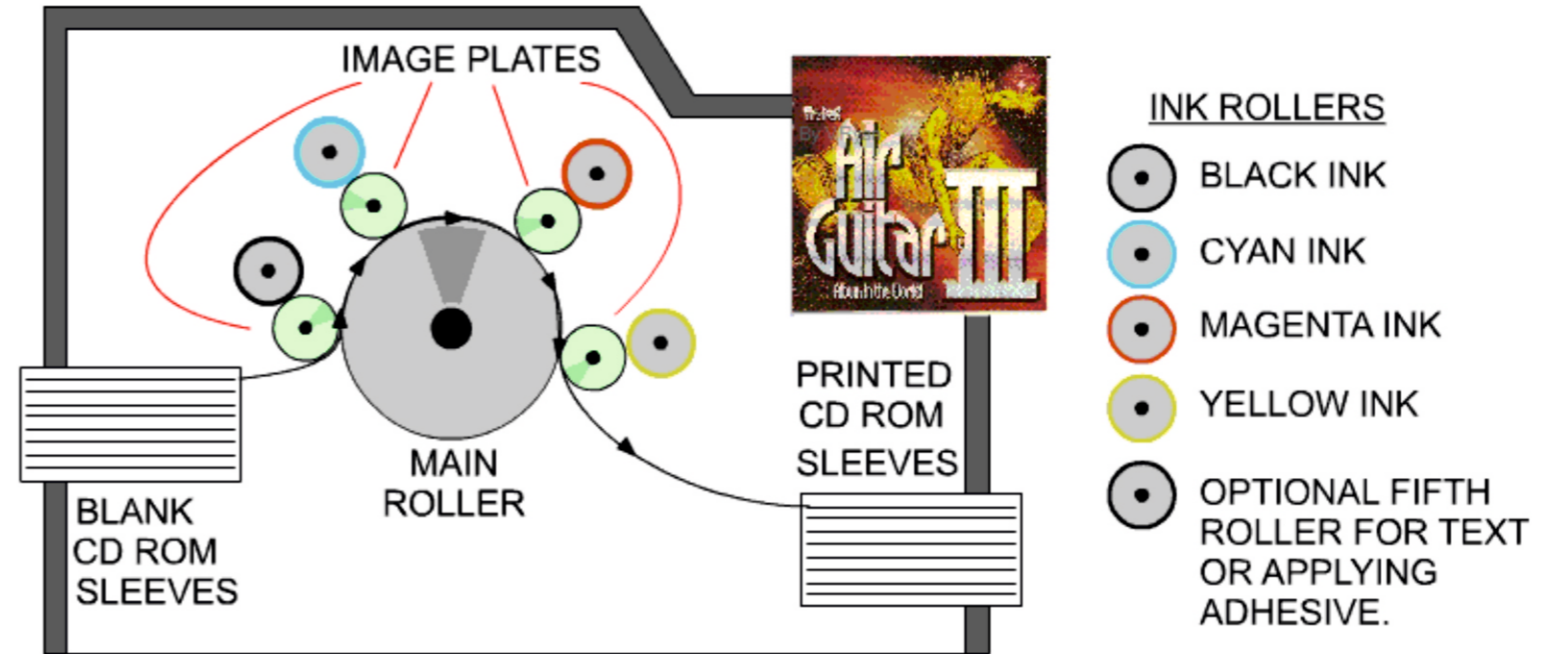
**LINK**

[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**

THIS IS AN EXAMPLE OF DIRECT PRINTING. Use the diagram below, to help you answer the question, written in the next box.



**1 DESCRIBE THE PROCESS CALLED 'DIRECT PRINTING'. Include an example of a product printed through this process**

---



---



---



---



---

**2 WHAT IS SUBLIMATION PRINTING? Make reference to the diagram in the next box.**

---



---



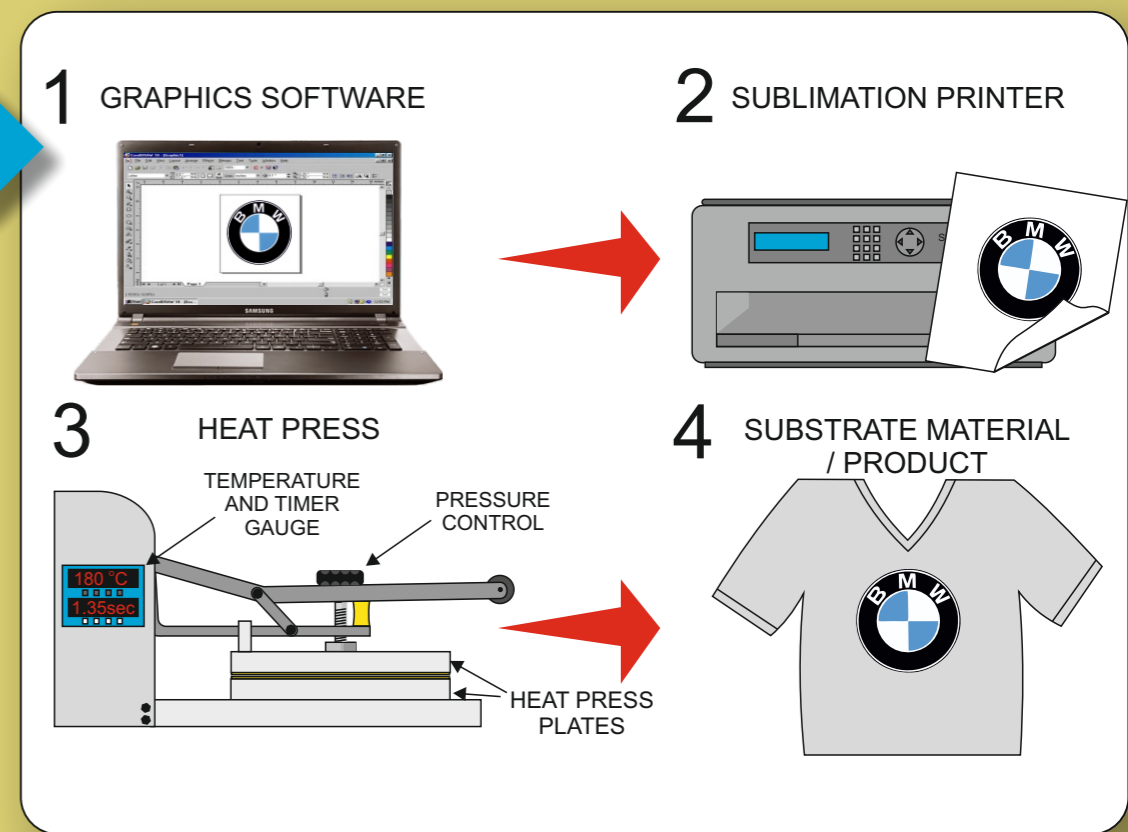
---



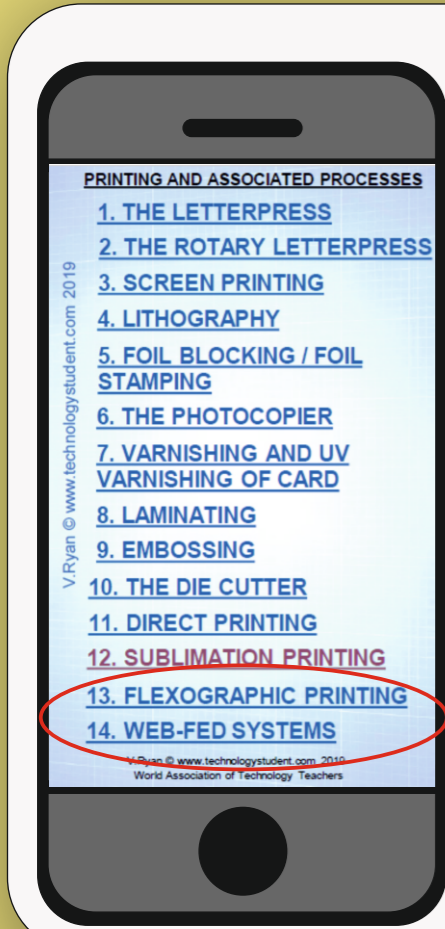
---



---



HELPFUL LINK: [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)



### FLEXOGRAPHIC PRINTING AND WEB-FED SYSTEMS.

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'PRINTING AND ASSOCIATED PROCESSES' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF [www.technologystudent.com](http://www.technologystudent.com)

**LINK**

[http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?  
USE THE MOBILE App!!**

### 1 WHAT IS A FLEXOGRAPHIC PRINTING?

Include a labelled sketch in the next box.

Blank lines for writing an answer to question 1.

### YOUR LABELLED SKETCH REPRESENTING FLEXOGRAPHIC PRINTING.

Blank space for drawing a labelled sketch of flexographic printing.

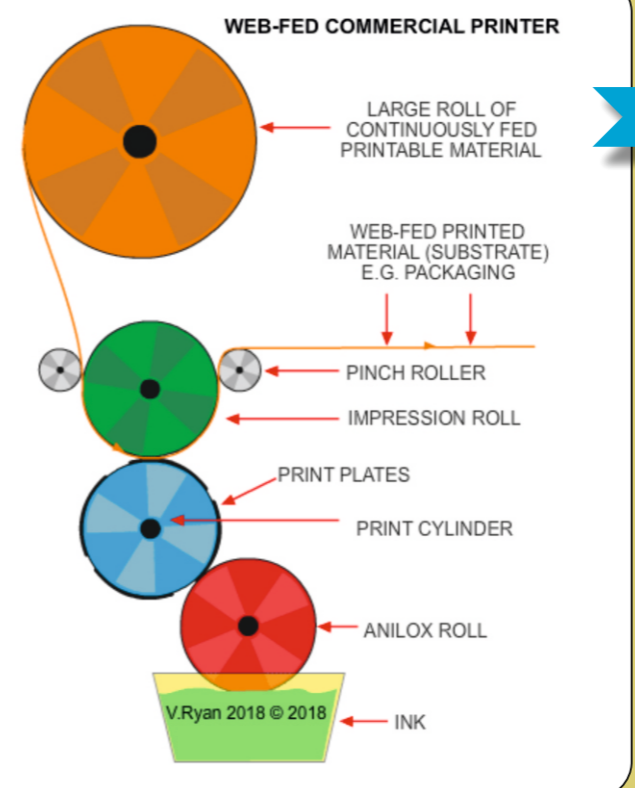
### 2 LIST FOUR ADVANTAGES OF FLEXOGRAPHIC PRINTING.

Blank lines for listing four advantages of flexographic printing.

### 3 WHAT IS WEB-FED PRINTING?

The diagram opposite may help you answer the question.

Blank lines for writing an answer to question 3.



### ADD AN IMAGE OF A WEB-FED PRINTED PRODUCT.

Blank space for adding an image of a web-fed printed product.

HELPFUL LINK: [http://www.technologystudent.com/mobapps/printing\\_processes1.pdf](http://www.technologystudent.com/mobapps/printing_processes1.pdf)