Exercise #1: Pencil Brainstorming   Name:

Email typed exercises:

> To: *mackay@lri.fr; mbl@lri.fr*
> Subject: *<last name> FSI: Ex #1: Pencil Brainstorm*

What can you do with a pencil? Write down as many ideas as you can.

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

Name: _____

Email typed exercises:

To: *mackay@lri.fr; mbl@lri.fr*
Subject: *<last name> FSI: Ex #2: Pencil Activities*

Think of activities, such as cooking, getting dressed, repairing objects, riding a bicycle.
For each activity, think of at five addtional things you can do with a pencil:

A.   Activity: _____

1 _____

2 _____

3 _____

4 _____

5 _____

B.   Activity: _____

1 _____

2 _____

3 _____

4 _____

5 _____

C.   Activity: _____

1 _____

2 _____

3 _____

4 _____

5 _____

D.   Activity: _____

1 _____

2 _____

3 _____

4 _____

5 _____

Email typed exercises: To: *mackay@lri.fr; mbl@lri.fr*
                                              Subject: *<last name> FSI: Ex #3: Digital Tools*

Replicate this drawing using shapes as tools without using 'official' PowerPoint or Keynote tools.

1. Which tasks worked? What *properties* of the shapes did you use as tools?

2. Which tasks did not work i.e. required 'real' tools? Why?

Homework. Email typed exercises to:

To: *mackay@lri.fr; mbl@lri.fr*
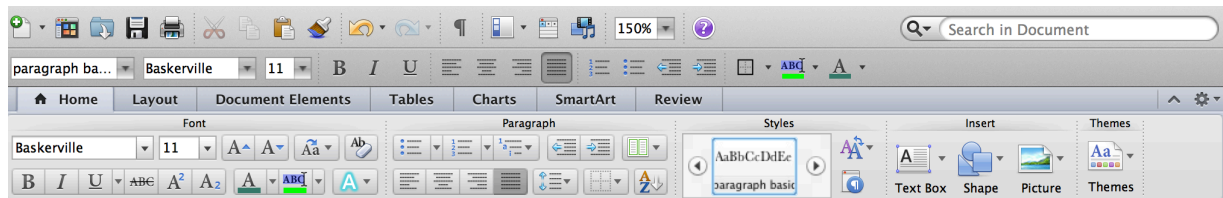Subject: *<last name> FSI: Ex #4: Digital Tools*

Open a 'creative' application such as Word, Excel, Adobe Photoshop, InDesign, or Illustrator.

Software: Microsoft Word, 14.3.8
Harware: Apple Macintosh, OSX
Purpose: Create documents, edit text

Choose a page, with a set of tools and take a screen shot:

Count how many discrete tools appear on the screen

Give each tool a name and a brief description of what it does,

with pointers to the screenshot

Shape:
choose a shape
to insert

Email typed exercises: To: *mackay@lri.fr; mbl@lri.fr*
                                                     Subject: *<last name> FSI: Ex #1: Pencil Brainstorm*

1. Find tools that are used ***across multiple applications***

    For each tool:How similar / disimilar are they?

             What do they reify?

             Are they polymorphic?

             Are they reusable?

2. Find tools that exist ***in only one application.***

    For each tool: How could it be used in another application?

Email typed exercises: To: mackay@lri.fr; mbl@lri.fr

                        Subject: <last name> FSI: Ex #6: Pencil Properties:

1. Start with your group's set of pencil ideas.
    List the physical properties of the pencil, e.g. 'rigid', that make the activity possible.

2. For each physical property, list as many uses of that property as you can, e.g., 'prop up z young
    plant'.