

In order to explore and extend upon tasks started in class this year you could independently work on the following tasks:

Bug hotels

Using the ideas inspired by nature (Biomimicry) can you design at least 4 different design ideas for a bug hotel. Consider the following in your design ideas:

- **Research the term 'Biomimicry' (We have looked at this in class) – Can you create a page which shows at least 4 different products that have been inspired by biomimicry and explain what the influences of these products has been?**
- **The types of bugs that will occupy the hotel (User needs)**
- **The Shape and form of your hotel (Does it have to be square? Can you be inspired by things such as snail shells, leaves or honeycomb to use innovation in your design of the bug hotel)**
- **The materials that you will use (Can you research which materials and habitats certain bugs like and incorporate these in your own designs?)**
- **Each design idea should be fully annotated to communicate your design intentions in as much detail as is possible.**

Super Hero Graphics

In class you have been exploring the creation of unique logos for the development of your own super hero logo. Can you extend upon the learning that you have started in class by following the below tasks:

- **Research at least 10 different logos for super heros. Create a page which shows each of these examples.**
- **Compare and contrast 2 of the logos that you have found. Can you comment on the similarities and differences between them (Consider colour, text, shape, imagery)**
- **Research typography (Find out what is meant by the term 'typography', and have a particular focus on the following: Serif & Sans serif, script, decorative)**
- **Find at least 10 different types of typeface used with logo design (If possible keep to super heros or cartoon characters)**
- **Using the research you have undertaken into typography can you create your own unique type face for the super hero that you have been developing in class? (You might want to start off with very basic lettering and extend upon this by adding in your own unique features.) You should produce 2 x A4 sheets which clearly shows the upper case and lower case letter design from Aa- Zz. Use guidelines to help form the size of the letters consistently.**

Independent research and design project Based on 'Alessi'

Complete the following tasks:

- **Research the work of Alessi and create a mood board of existing products**
- **Design your own product for the kitchen in the playful style of Alessi.**
- **Create a model of your product from anything you have to hand (Cardboard, empty packaging, paper, glue ect)**

Bug hotels: Examples



Biomimicry

Biomimicry is the examination of nature, its models, systems, processes and elements to emulate or take inspiration from in order to solve human problems.

Root of the word: From the Greek words Bio – Meaning life and mimesis meaning to imitate

Kingfishers beak inspiring Japanese Bullet train



The kingfisher's beak became the model for the nose cone of Japan's 500 Series Shinkansen bullet train.

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Coral inspiring structures in architecture



Honey Comb inspiring structures in architecture and furniture design



Gecko feet inspiring developments in climbing for window cleaning



WHALE FIN



WIND TURBINE BLADE



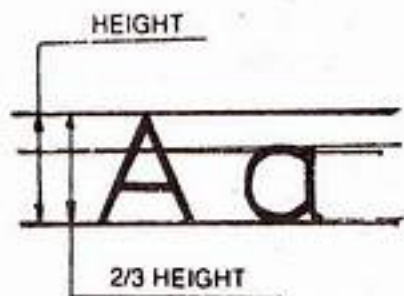
Whale fin inspiring wind turbine blades



Super Heros: Graphics

To Create your own typeface you should fill each of the boxes below with the letter/number in the top left hand corner. Try to keep each of your letters consistent and in the same style.

A	a	B	b	C	c	D	d	E	e
F	f	G	g	H	h	I	i	J	j
K	k	L	l	M	m	N	n	O	o
P	p	Q	q	R	r	S	s	T	t
U	u	V	v	W	w	X	x	Y	y
Z	z	0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15	16	17
18	19	20							



When drawing lettering use the guide here to help. Draw feint lines with pencil to form the top and bottom of your letters. The lowercase letters should be roughly half the size of the capital letters

Independent research task: Alessi

Below is some information about Alessi along with some examples of Alessi's work. Try to find more examples of your own and design your own product in the style of Alessi.

ALESSI



Founded in 1921 as a "Workshop for the processing of brass and nickel silver sheet metal, with foundry", Alessi has always stood out for the high quality of its products. In almost a century of history, the company has gradually evolved to become one of the leading "Factories of Italian design", capable of applying its expertise and excellence in design management to many different product types. Open to change and international development, Alessi at the same time has a strong bond with the traditions and cultural background of its area and continues to be synonymous with handcrafted objects produced with the help of machines.

Alessi's mission is now one of translating its quest for the most advanced cultural, aesthetic, design and functional quality into mass production. Designer products are the result of the constant reconciliation of art and industry, of the "Immensity of Creative Potential" and the needs of the market. The company is committed to a design approach in which the most advanced expression of international creativity is always balanced against the desires of the general public. Alessi has been described as a "Dream Factory", which uses its products to make people's dreams come true, providing them with the Art and Poetry that they seek.