

INTERIOR DESIGN- ID03

MODULE 1

BY MANSHA SINHA

9TH May 2023

MENTOR: RAHAT MA'AM

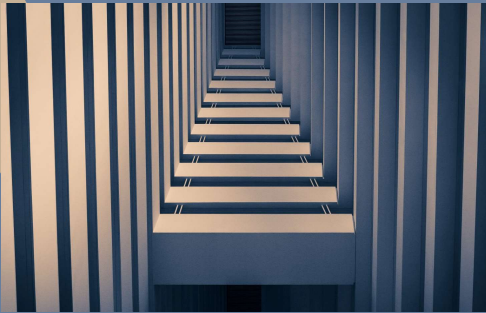




INDEX

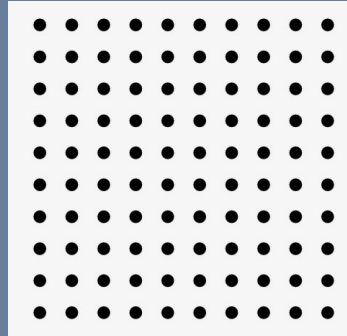
- ELEMENTS OF DESIGN
- PRINCIPLES OF DESIGN
- ACTIVITY MAPPING
- MOOD MAPPING
- UNDERSTANDING CLIENT NEEDS & WISHES
- UNDERSTANDING A CLIENT BRIEF
- ERGONOMICS & ANTHROPOMETRICS
- USING ERGONOMICS TO PLAN: FORM AND SPACE (FUNCTIONS AND EMOTIONS)
- COLOR & TEXTURE: FUNCTIONS & EMOTIONS
- LIGHT: FUNCTIONS AND EMOTIONS
- COHOOM I, II, III, IV

WEEK 1: ELEMENTS OF DESIGN



LINES are the visual paths that our eyes follow when we look at an object
There are mainly 3 types of lines:

- **Horizontal** : gives peaceful feeling to a room & makes it look wider
- **Vertical**: draws one's eyes upwards and creates height
- **Dynamic**: suggest movement and make our eyes move in direction of the pattern



DOTS refer to the points or small details within a space that draw our attention

They can be objects such as vase, table, artwork etc. and can be used to create a focal point within a room.



SPACE refers to the area within a room and how it is organized

It can be of 2 types:

Positive space: room space filled with furniture, décor etc.

Negative space: : empty space within a room



FORMS are basically a collection of lines that produce an overall shape of furniture, a decor, or the room itself. These can be geometrical or natural (curved)

VOLUME, takes into account not just the object's shape, but also its size and orientation

MIRO WORK- EOD

2/1/20XX

SPACE



LINES



FORM AND VOLUME



PATTERNS



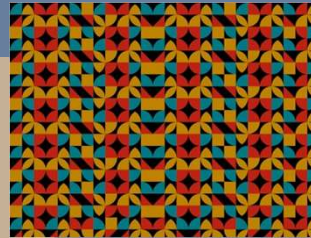
LIGHTS



COLOR



TEXTURE



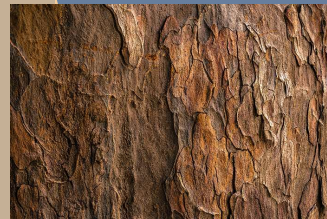
PATTERNS are a combination of lines and forms. It is basically repetition of designs, often found in fabrics, wallpaper, and flooring.



LIGHT affects the ambiance of a room, as well as highlight or hide certain features. It sets the mood in a room.

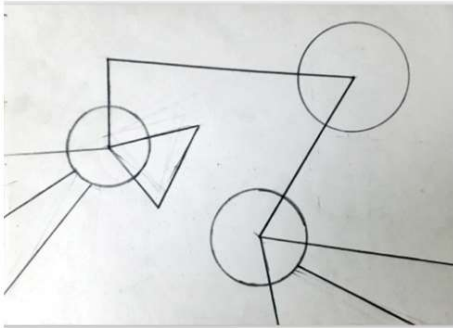


Different COLORS evoke different emotions and moods. For eg. Warm colors like red, orange, and yellow can create a cozy and inviting feel, while cooler colors like blue and green can create a calming and relaxing atmosphere.



TEXTURES refer to the quality of surfaces in a space. It can add depth and interest to a room. They can be visual or Actual.

2-D & 3-D COMPOSITIONS



2-D SKETCH USING DOTS AND LINES



FRONT VIEW



TOP VIEW



LEFT - ANGLE VIEW

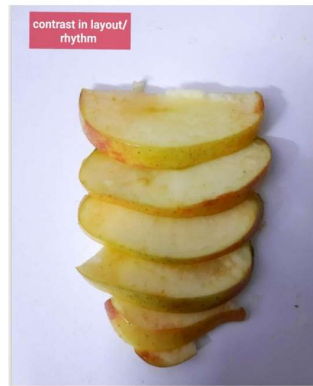
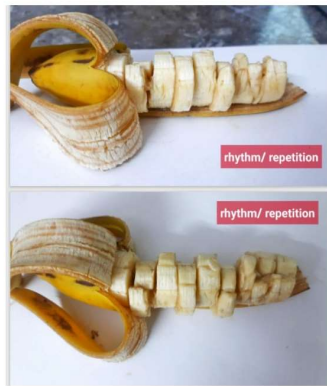


RIGHT- ANGLE VIEW



LINES AND DOTS INTERPRETTED AS STRUCTURES

PRINCIPLES OF DESIGN



Rhythm : Rhythm basically refers to the repetition of elements in a pattern or sequence, creating a sense of movement and flow within a space as we see in the first image of the banana as well as 2nd image of apple pieces

Repetition : It is using the same design element again & again so that it leads the viewer's eye to a specific point and direction. Again in the first image of banana the pattern repeats itself and leads us to a specific direction giving a sense of flow.

Emphasis – It involves creating a focal point or area of interest in a space and draws the viewer's attention to a specific element or area.

- ***Through color:*** Here we see that among the faintly colored pieces of apple the orange color of the fruit stands out and draws attention on itself
- ***Through reinforcement:*** Here we see the double layers of apple piece draws attention to itself.

Symmetrical Balance: It is seen when visually, weight is distributed equally in all directions from a centre point/line as we see on either side of the mid apple piece equal and similar shaped pieces are placed.

Contrast In Layout : it is using of different shapes and forms together to create a design

ACTIVITY MAPPING

Why it is important?

**UNDERSTAND THE PATTERN OF
THEIR LIFESTYLES**



**SENSE OF PLACE AND THEIR
NEED**



IMPROVING SPACE UTILIZATION



**THE NUMBER OF PEOPLE USES
THE SPACE**



**CREATING FUNCTIONAL AND
AESTHETICALLY PLEASING SPACES**

MOOD MAPPING

Why it is important?

CREATING COHESIVE DESIGN



UNDERSTANDING CLIENTS
'S DEPTH

DESIGNING ACCORDING
TO THE PHYSICAL NATURE
OF SPACE .



HELP US SEE THE EMOTION
OF CLIENT



PHYSIOLOGICAL COMFORTABLE
AND WANT TO STAY

MIRO WORK FOR MOOD MAPPING

The mood mapping is important and is done to understand one's emotion and physiological comfort.

The comfort climate, daily needs, lighting, texture and positive energy is much needed to create the place with aesthetics. The number of people using the space and their activities matters too.

Factors that may be addressed:

- Location
- Space
- Light
- Colour
- Material
- Weather (Temperature)
- Sound

CASE : WATCHING MOVIE, LATE NIGHT AT A DRIVE IN THEATRE WITH YOUR PARTNER

Imagine it is late at night...around 12:30- 1:00 o'clock at night. The weather is windy, not very cold. You go to this place having a big ground seeming more like a parking lot with your partner. You are required to park your personal cars outside the main gate. As you enter inside and walk past the guards you can spot the cars at a distance, but first you gotta go buy the tickets at a small cute ticket counter having a guy on the opposite side of the window selling tickets. The counter is located just towards right of the entrance and is like the one we used to see in old time movies having a window and roof like structure made up of a red and white stripes printed thick cloth. After that well you go towards the left moving towards the entrance of the main arena of the drive-in, where as you enter...you're just mesmerized. It is a small drive-in, not very big, having around 64 cars all arranged in rows and columns of 8x8 at seemingly equal distances but the aesthetics and vibe of the place are so warm and so cozy, the lightings are dim and there's soft soothing music being played until everyone arrives.

The drive-in has all sorts of old cars lined up in series having different colors, belonging to different models. Since it's late night, you can see there are strings of bulb lighting all over the parking filled with cars, on top which looks extremely beautiful. There are boards displayed in little distances with car numbers written on them indicating which group of cars can be found where; Also there are 3-4 staff members there to help people find their allotted cars. You then go towards the allotted car which is in one of the middle rows, perhaps the 4-5th row and you can see it is a blue car with red velvet-ish seat covers. It looks old but seems comfortable. There is a huge screen ahead, about 35-40 feet wide where the movie is about to be screened. The car has seating for 5, so you and your partner sit in the front 2 seats and keep your purse and bags behind. Since the movie being screened is an old rom-com, you can see many other young and 1 or 2 old couples and some group of friends sitting in the other cars around you.

At the end of the last row i.e the 8th row there is also a small counter where you can buy anything to eat or drink. It has a variety of items in its menu, ranging from popcorn to pizza to nachos to different soft drinks. There are again boards displayed which help navigate one's way to the food counter. The staff members are also around in case someone wants the food delivered to their cars. The movie is then about to start and the lights go off and the screening starts. The sound system is also pretty clear and perfectly audible as the speakers are kept at an appropriate distance from the screen and cars. The energy around is soft and intimate, despite it being a movie place, somewhere you would go with people special to you- be it your partner, close friends or anyone else close to you.

UNDERSTANDING CLIENT NEEDS & WISHES

Qualities of Space

Function Needs

These refer to the practical requirements of a space, such as its intended use, layout, and circulation. They are typically determined by the function of the space and the activities that will take place within it

Emotional Needs

These refer to the psychological and emotional aspects of a space, such as its atmosphere, mood, and aesthetic appeal. These are typically determined by the user's desires and preferences, as well as the intended use of the space

IMPORTANT FACTORS

Stakeholders of Space

Stakeholders are basically any individual who has access to a particular space. All the people who use or experience the space quite often will be called the stakeholders. For eg- the client or owner of the space will always be the primary stakeholder & everyone else who are affected by the design and implementation of an interior space

CASE : OFFICE CABIN

STAKEHOLDERS

- MYSELF
- BOSS
- COLLEAGUES
- CLIENT
- OFFICE STAFF
- MAINTENANCE STAFF

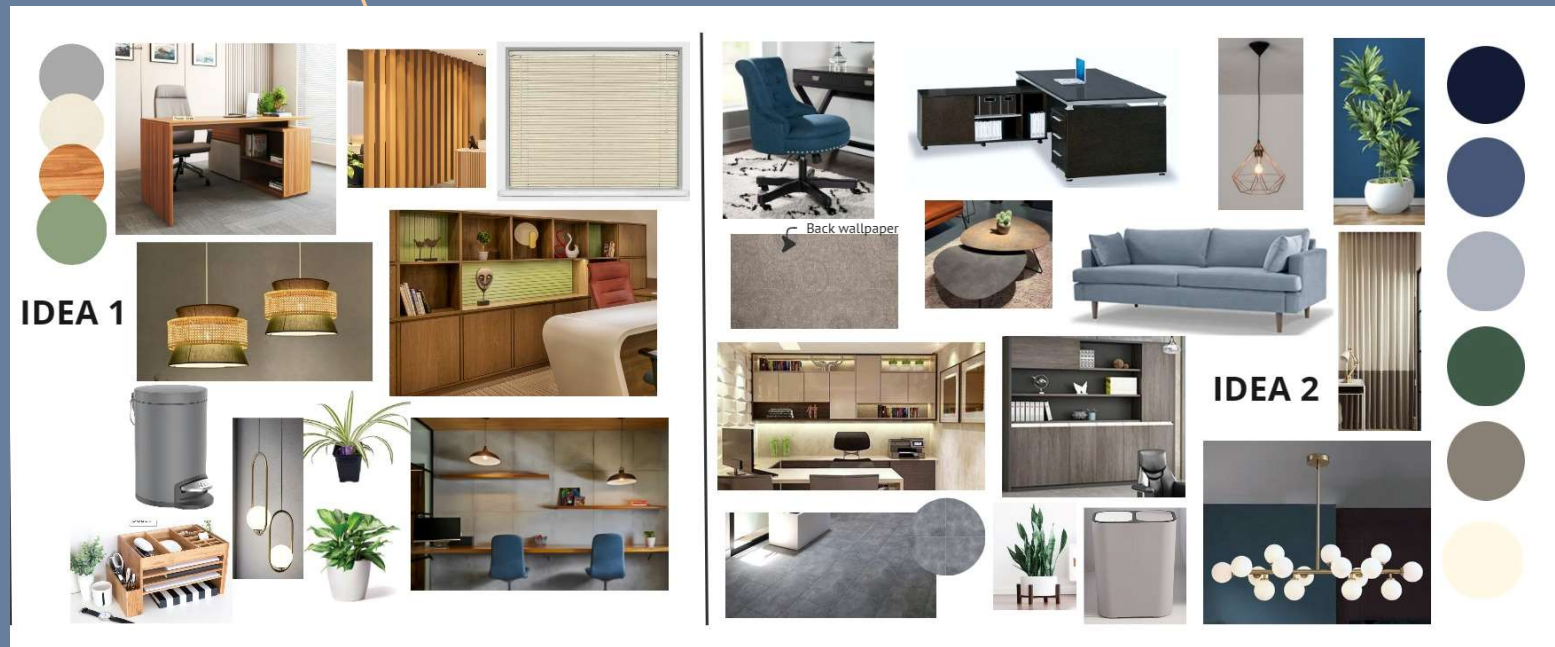
FUNCTIONAL NEEDS

- TABLE TO WORK UPON
- CHAIR
- LIGHTS
- AC
- WINDOWS
- DOORMAT
- WALL PICTURES
- CURTAINS/ BLINDS
- trashcan
- SWITCHBOARD
- PLANTS
- STORAGE SPACE (BOOKSHELF , CABINET ETC.)

EMOTIONAL NEEDS

- COMFORT
- SAFETY
- COMMUNICATING CLIENTS
- CONFIDENCE
- POSTIVE ENERGY/ OPTIMISM
- EASY COMMUNICATION
- PROFFESIONALISM
- NATURAL LIGHT

MIRO BOARD WORK



UNDERSTANDING A CLIENT BRIEF

INFORMATION A CLIENT BRIEF SHOULD CONTAIN (As discussed in class):



CLIENT DETAILS



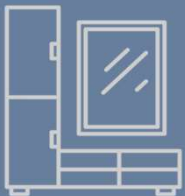
PROJECT DETAILS



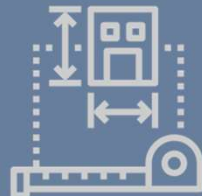
LIFESTYLE DETAILS



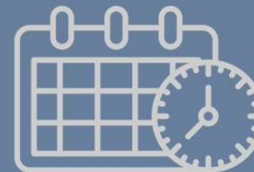
STYLE PREFERENCES



EXISTING FEATURES &
FURNITURE



MEASUREMENTS





TIME FRAME



BUDGET

SHAH FAMILY CASE

<p>CLIENTS</p>  <p>Name: Dr. Pankil Shah (33) & CA Rinal Shah (33) with 8 months old twins (boy & girl).</p> <p>They live in Kormangla, Bangalore in an independent house.</p> <p>The guys parents live in the guest room whenever they are in town.</p> <p>Age: Husband & wife are 33 years old and the twins are 8 months old</p>	<p>Background</p> <p>Dr. Pankil Shah & CA Rinal Shah are working couple with 8 months old twins(boy&girl). The wife is CA and has her own practice & office but due to the kids currently working from home. She works in the bedroom while also taking care of the kids. The husband is an ENT surgeon with private practise and comes home from 2pm to 5pm to have lunch & help her wife in taking care of kids.</p> <p>They are modern couple who are managing their career and taking care of the babies. In their bedroom, they sleep, feed babies, play with toys and with them, and also work.</p> <p>Their kids love open space so they could crawl and explore.</p> <p>The couple loves natural light and brightly lit rooms. They also like mood lightings. They both love to hang lots of photos in their room. They need more storage space to accomodate all the kids stuff (toys, clothes, medicines, etc). They also love plants but due to less space, they are not able to keep indoor plants. They also like to invite their friends over during the weekend. They sometimes host movie nights or playdates on the weekends.</p>	<p>Wants & needs of interior design in their Bedroom & Bathroom:</p> <p>Bedroom</p> <ul style="list-style-type: none"> -Some open space for the kids to play -Plenty of Natural Light -Overall use of light , neutral colour with a pop of colors here and there (can be a colored wall or pop color piece of furniture) -Need more storage space. -Collapsible bed for kids to use that space as play space when not in use. -Need a dedicated space for photos to hang -Would love some space for plants if possible. -No need of two side tables. -Include seating space for atleast two people as their is no seating in the room. -Multiple setting lights to create the mood as per their need. Also need dim lighting for night. <p>Bathroom</p> <ul style="list-style-type: none"> -include closet space for more storage <p>What they like:</p> <ul style="list-style-type: none"> Mood Lighting Plants Light neutral colours Solid wood Natural Light <p>Style: Minimalist, modern with touch of traditional style</p> <p>Things they want to keep: Photoframes</p>
---	---	--

Functional Needs:	Emotional Needs:	Questions you would like to ask in the next meeting	Mood Board
<ul style="list-style-type: none"> • some negative space for kids to crawl n play • separate corner for mrs shah to work from • collapsible/ adjustable beds (and other furniture if possible) • plants • storage • closet space in bathroom • sitting space for minimun 2 people 	<ul style="list-style-type: none"> • Mood lightings • photo frames (for memories) • room to feel playful for kids but appropriate for adults • comfortable and peaceful • bright light • neutral color palette with color pop 	<ol style="list-style-type: none"> 1. what would be your budget 2. do babies sleep on same bed or cradle 3. could i get the measurements and layout of the room and windows if any 4. curtains or blinds? 5. is there any balcony attached? 6. any specific flooring demands? 7. when would you want me to start and handover the project <p>for washroom do u want any partitions bw toilet n shower</p>	

MIRO WORK

ERGONOMICS & ANTHROPOMETRICS

Ergonomics is basically about designing and arranging things so that people can use them safely, efficiently, and comfortably. It is an important aspect in creating products, environments, and systems that keep in mind human experiences, capabilities & limitations while Anthropometrics can be understood as the study of the measurement of the human body, including its size, shape, and proportions.

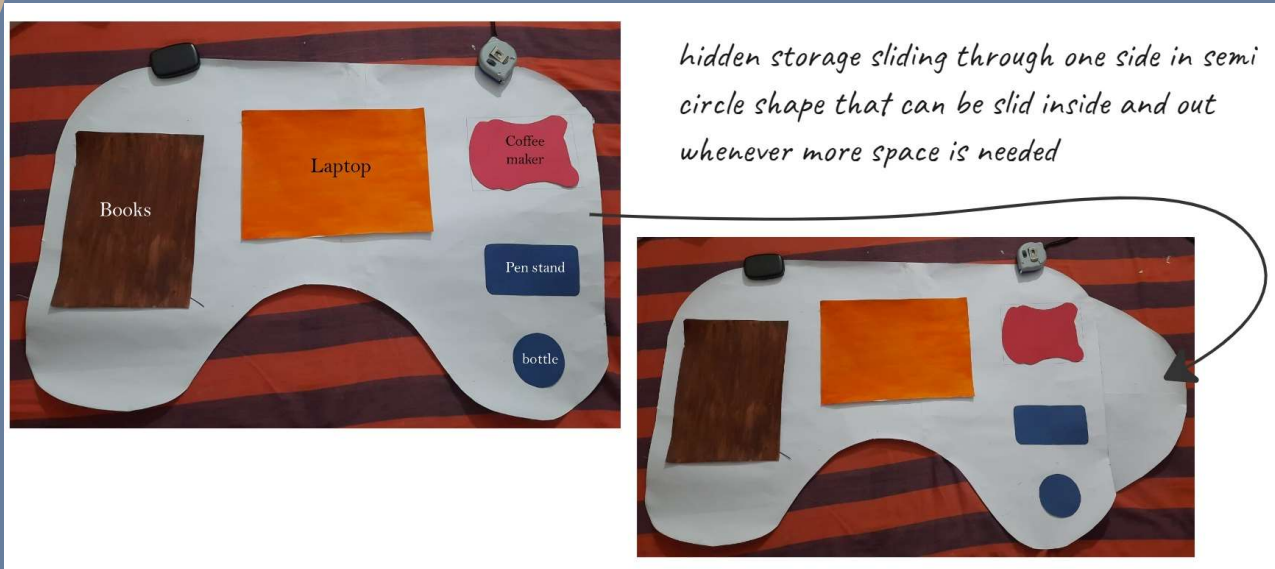
factors considered under this:

- body size
- posture
- movements etc.

It aims to optimize the design of products and environments to utmost utility and safety



ERGONOMICS & ANTHROPOMETRICS



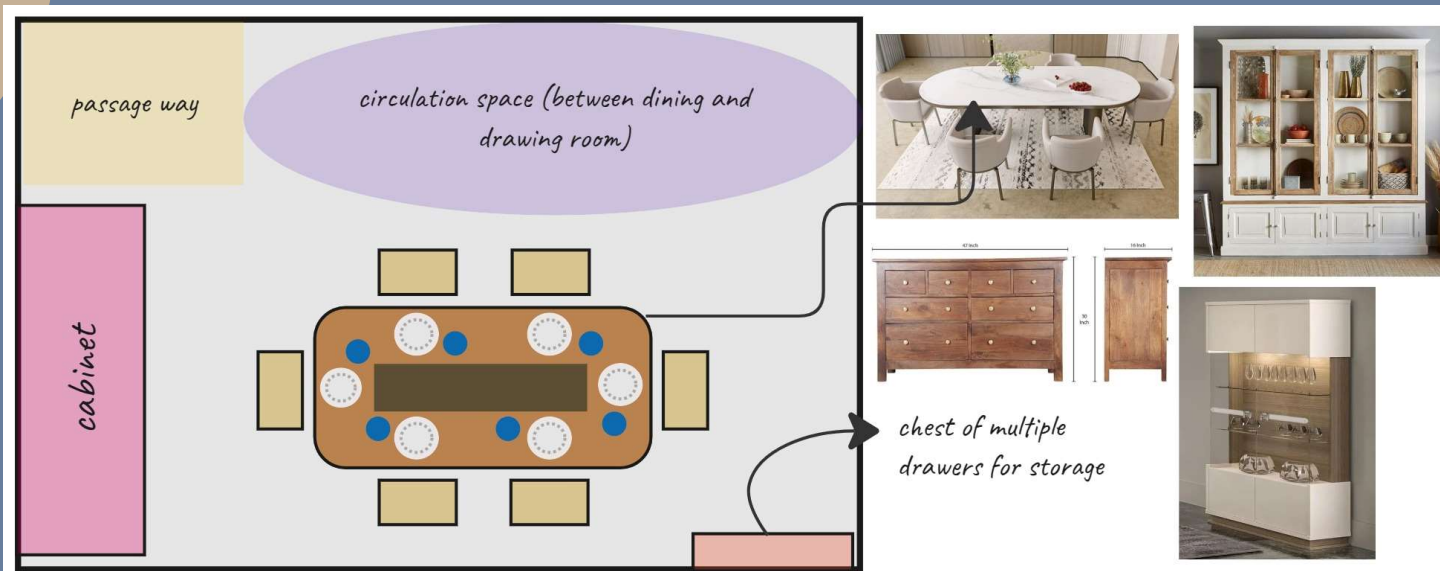
Here I have redesigned my study table in such a way so that it becomes more comfortable and multi purpose. The size of the study table is compact though neither too small nor too big. However, I have added hidden sliding storages which can be used as and when required. Also since I have a habit of leaning on the table while working I have added a curve in the middle of the table which also helps me sit comfortably as the concave curve provides easy access to all sides of the table

Designing a tabletop to be the most suitable shape keeping in mind needs Primary , secondary and tertiary needs as well as observing objects placed on the study table and measuring dimensions of each

DIMENSIONS

- Original table: 23.5 in x 36 in (1.95 ft.- 3 ft.)
- semi circle add on: radius - 8.26 in
- laptop: 13 in x 9 in
- books: 8.26 in x 11.61 in approx
- coffee maker: 7.08 in x 5.51 in approx
- pen stand: 5.905 in x 3.26 in
- bottle: radius- 1.6 in approx

USING ERGONOMICS TO PLAN: FORM AND SPACE (FUNCTIONS AND EMOTIONS)



Designing a 6 seater dining table of optimum dimension & Listing elements to be kept on the table so that people can interact comfortably ensuring that one can take care of all serving elements

Dimensions:

1. **room** : 15' 1.8" x 9' 2" x 9' 10"
2. **dining table**: 59 in x 35.4 in x 27.5 in
3. **chair**: 16.5 in x 16.5 in x 35.4 in
4. **cabinet**: 5'6.1" x 1'1.3" x 5'7.3"
5. **chest of drawers**: 47 in x 16 in x 30 in
6. **plates**: radius : 5.11 in
7. **glasses**: radius : 1.37 in



Here I have chosen a rectangular dining table however with round edges. Keeping in mind that get togethers are hosted quite often in the house rectangular tables were chosen as they are space efficient since they can be placed against a wall without wasting much space. Also it can accommodate more people. However since we have kids also a lot of times round/ soft edge rectangular table was chosen to ensure safety. It also creates a more natural flow & gives easy access to communicate with others

COLOUR AND TEXTURE: FUNCTIONS AND EMOTIONS



In this scene, enola is seen wearing a blue dress which can be interpreted as symbolizing calmness, serenity of the situation. Blue is also associated with trust, loyalty, and intelligence, all of which reflect Enola's character traits as a smart and resourceful young woman, dedicated to solving mysteries.

In the background, there are a lot of natural colors and textures, such as green leaves and brown tree trunks. These colors and textures are organic & earthy, which may represent a feeling of nostalgia and reminiscence, as the forest setting may remind the characters of simpler times in the past.

It may also represent growth and new beginnings as the characters are reconnecting after a long period of separation and discussing their childhood & past. In this sense, the green color may represent a fresh start or a renewed connection between the characters as well their love for nature. The brown color of the tree may also depict wisdom and stability and security they felt as kids in the forest. The rough texture may also explain the roughness yet warmth of the conversation they are having where Enola and Sherlock are seen venting out the frustrations they had towards each other and clearing a lot of things. The slight use of white may be used to depict the purity & innocence of the conversation.

The natural setting and the use of calming colors depict a sense of tranquility and harmony, reinforcing the themes of growth and new beginnings in the characters' relationship. The use of green, brown, and blue colors helps create a sense of warmth, nostalgia, and emotional depth.



MOVIE : ENOLA HOLMES

Every color used has its own psychology and different color combinations create different impacts. Textures add feel to the scene or instance and lightings affects the mood & vice versa.

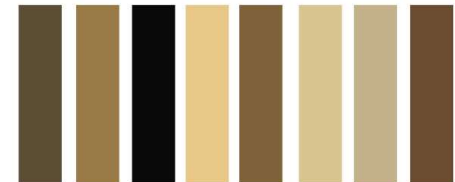
Identifying colors used in movie scenes, recreating color palette and decoding why the specific colors, lighting scheme and textures were used in it and what was the story & emotions trying to be conveyed in the scenes

MOVIE : ENOLA HOLMES 2

The scene is about the 2 main characters who are attending a royal event. It is set in the late 1800s.

Here the ivory, beige and other shades of white/cream color depict the sophistication and elitism that can be seen in the royal palace. The brown color brings in the seriousness of the situation but also warmth between the 2 characters. Black represents elegance and as a prince, it is rightly depicted on him. Enola is seen wearing a beige-cream color gown again representing simplicity, wisdom and trust. The lighting used is of warm shades, portrays luxury and opulence but also at the same time creates an ambience of comfort, affection, understanding.

The overall shades of brown represent the ancient times as well as the organic wholesome feelings shared by the 2 characters.



LIGHT: FUNCTIONS AND EMOTIONS



Crystal White
9W - 6500 K



Warm White
9W - 2700 K



Yellow
9W - 3000 K

Understanding concepts of contrast, warmth, reflections, hues, shadows

I have taken 5 objects which all have very different properties, transparent perfume bottle with metallic cap, white mug, green vase (slightly translucent), lilac bottle and a printed coffee cup. The bulb in all situations is placed above the objects on the wall. I have also used a white sheet as background. The lighting effect can also be seen on the creases on the sheet. Each different object reflects light differently as can be seen in the pictures

Also in the first section we see that when crystal white bulb is used the objects can be seen clearly with a cooler tone. Under warm white light we see a layer of warmth added to the picture and it can also be noticed that the color of the metallic cap of perfume bottle changes slightly. In the yellow light the contrast and warmth in the image increases and the silver cap of the perfume bottle seems golden

LIGHT: FUNCTIONS AND EMOTIONS

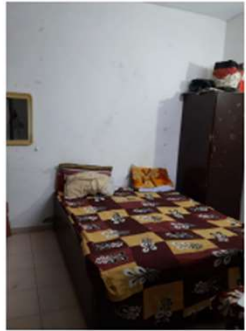


Understanding the behaviour and effect of different lights on different objects

Here I have used different tinted sheets on the white bulb to see how the objects interact with different colors at different intensities.

For the yellow shades I kept on adding layers to increase the intensity which later changed to orange, Similarly done for green and blue. It is noticed that the dark brown outlines made on the vase start looking the same color as the purple bottle on its right in the 3rd(orange) pic. All the shades of yellow give warmer tones to it adding exposure. In the red light we see all the objects other than white ones turn into different shades of black. The white objects reflect back red light . In the purple image we see that the green color of the vase turns brownish

COHOOM – ORIGINAL ROOM

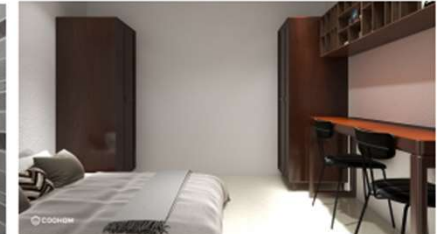
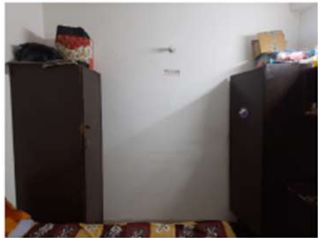
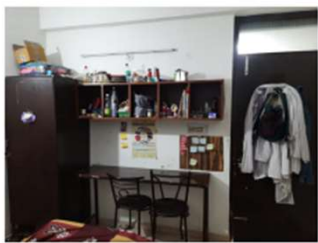


ORIGINAL

2-D FLOOR PLAN



RENDERED



COHOOM : TRANSFORMED ROOM



NATURAL LIGHTING RENDERS

SUNLIGHT



BRIGHTNESS- 55%
TEMP- 2500 K



BRIGHTNESS- 70%
TEMP- 4600 K



BRIGHTNESS- 85%
TEMP- 4600 K



BRIGHTNESS- 85%
TEMP- 6500 K



BRIGHTNESS- 380
TEMP- 12000 K



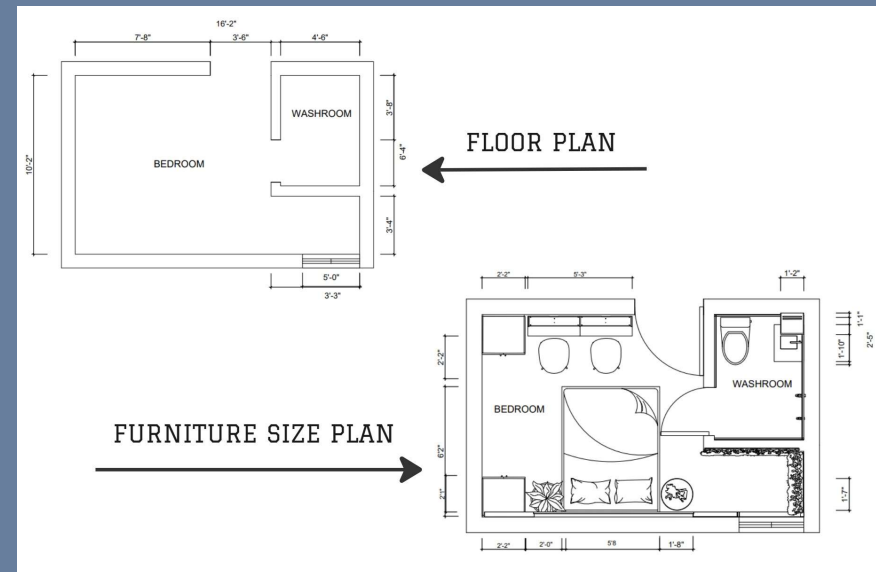
BRIGHTNESS- 800
TEMP- 15000 K



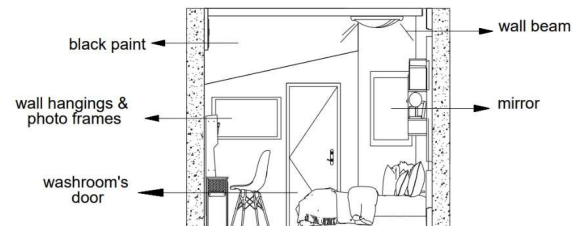
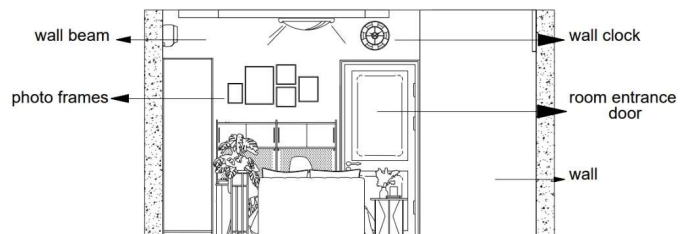
BRIGHTNESS- 15
TEMP- 15000 K

MOONLIGHT

FLOOR & FURNITURE PLAN AND ROOM ELEVATIONS



BEDROOM ELEVATIONS





THANK YOU