



**SILICA**  
YOUR DESIGN CAREER GUIDE

# Studio Test Workbook

For NID, MIT-ID, SID, DSK, Pearl Academy, ISDI, UID etc.  
For B.Des. & M.Des.



**"Learn from Pioneers of Home Coaching".**

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## About Studio Test Workbook

1. Almost all Design Schools like NID, MIT-ID, SID, DSK, Pearl Academy, UID, ISDI etc keep a second phase in the Admission Process. Students are selected for the second phase based on marks obtained in the Written Exam (the Design Aptitude Test). The second phase generally has 2 parts- a Studio Test & an Interview.
2. The Studio Test generally has 4 parts: Doodling or Sketching Test, Observation Test, Material Handling Test and 3D Model Making Test. For post-graduate candidates, the tests will focus on chosen specialization. The Interview has no pattern and varies from student to student. It may cover review of the student's Art & Design portfolio.
3. SILICA has created this Workbook to prepare students for taking the Studio Test. It is a 7 Day Workbook. Each Day has 4 sections: **Doodling, Observation, Material Handling, 3D Model Making**. In each section, the students are provided with:
  - i. Introduction & Explanations – for students to learn about the section.
  - ii. Video Lessons – i.e. students are prompted to watch the video lesson from DVD.
  - iii. Learning Exercises - i.e. study from solved examples and reference videos
  - iv. Practice Exercises - i.e. to be solved by students on their own; hints may be provided.
  - v. References for more Exploration – i.e. links to SILICA's Book - 21 Creative Ways for Portfolio Building and reference to web and video links on the internet.
4. Students are expected to read the book, watch the video lessons and solve the exercises provided. This book can be completed in 1 to 4 weeks, depending on the time available to students.
5. In addition, this Workbook has 10 Mock Studio Tests. Students are expected to solve these tests using the materials provided in the Home Coaching Kit. This will give students the real studio test experience.
6. Students can get feedback on their completed exercises or tests from SILICA's NID Faculties. Here's how:
  - i. Take a picture of your completed exercise or test.
  - ii. Send Email to [learn.silica@gmail.com](mailto:learn.silica@gmail.com) or Whatsapp Msg to +91 88799 68337.
  - iii. Don't forget to mention the exercise details and your Name, Email, Mobile Number and Entrance Exam (e.g. NID, MIT, etc) in your message.

All the Best! Lets start with Day 1 of the Workbook.

**SILICA Team**

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# **Studio Test Workbook**

## **Day 1**



**I Doodles**

**II Observation Exercise**

**III Material Handling**

**IV Model Making Exercise**

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## 1. Introduction:

Doodles are simple drawings that can have concrete meaning or may just be abstract shapes. *Doodling* is a great, fun way of expressing yourself.

Google Doodle is an interesting example. A *Google Doodle* is a special, temporary alteration of the logo on Google's homepage that is intended to celebrate holidays, events, achievements and people. Check out all the interesting doodles at: <http://www.google.com/doodles/>

Doodle Test consists of sets of boxes with incomplete lines or shapes. Students are required to complete these lines and make some sensible drawing that can be an object, a scenery or pattern and add a suitable caption. The test is for 20-30 minutes and about 12-15 Doodles need to be completed.

In this section of the workbook, we will prompt you to:

- i. Watch Video Lesson: Watch the video lesson from DVD included in this Kit
- ii. Study from Learning Exercises: Study some solved exercises
- iii. Solve Practice Exercises: Practice by solving more exercises on your own.

## 2. Video Lesson:

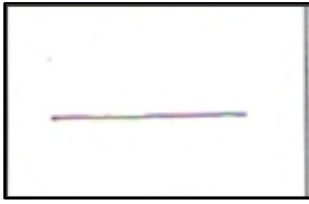


## 3. Learning Exercises:

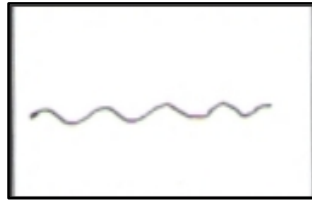
### Have you watched the DVD Lesson?

Yes! Then you are ready to learn a little more about solving Doodle Exercises. See the exercise below and watch how given lines are used to create a Doodle. In Doodling, the more you practice, the more you will learn.

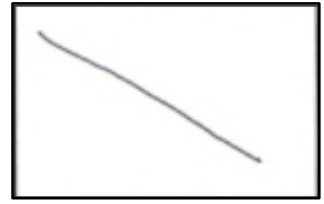
Learning Exercise 1: Complete the lines in the box given below and write a suitable caption.



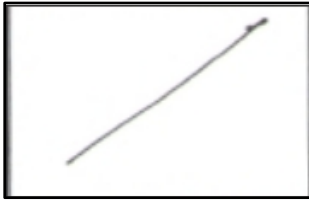
1. \_\_\_\_\_



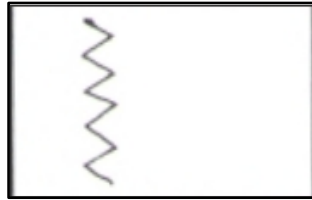
2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_

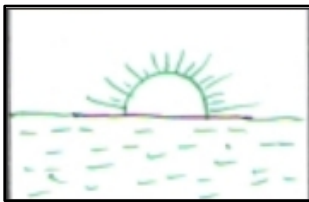


5. \_\_\_\_\_

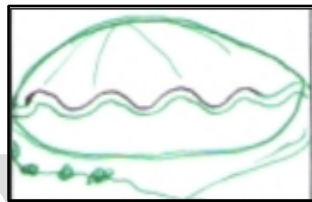


6. \_\_\_\_\_

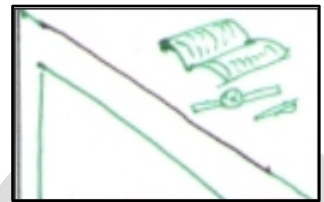
Solutions to Learning Exercise 1:



1. SUNRISE



2. OYSTER



3. TABLE



4. HOUSE OF FOOTHILL



5. FISH WITH TEETH

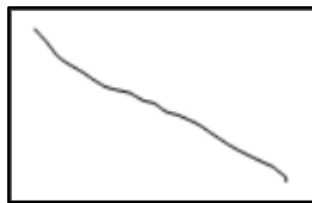


6. DUSTBIN

Learning Exercise 2: Complete the lines in the box given below and write a suitable caption.



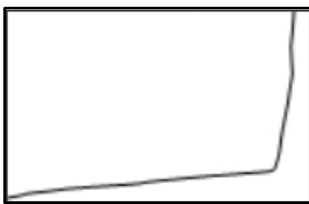
1. \_\_\_\_\_



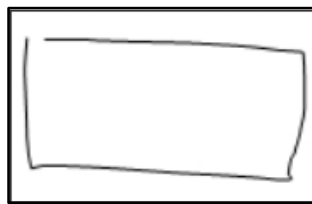
2. \_\_\_\_\_



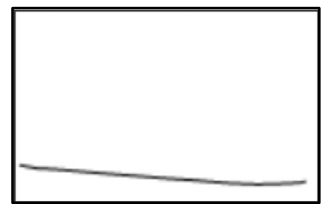
3. \_\_\_\_\_



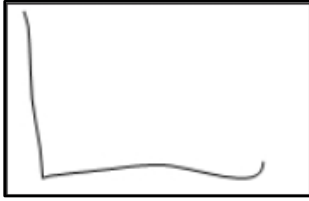
4. \_\_\_\_\_



5. \_\_\_\_\_



6. \_\_\_\_\_



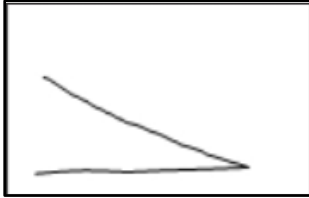
7. \_\_\_\_\_



8. \_\_\_\_\_



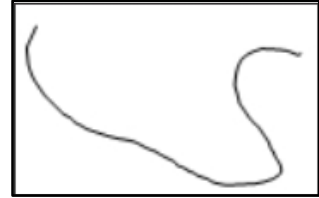
9. \_\_\_\_\_



10. \_\_\_\_\_



11. \_\_\_\_\_

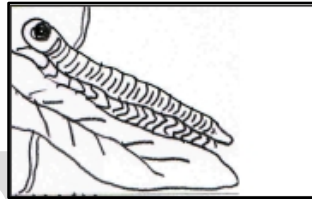


12. \_\_\_\_\_

Solutions to Learning Exercise 2:



1. GROWTH



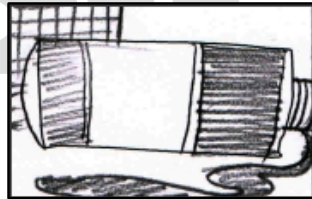
2. CONSISTENT



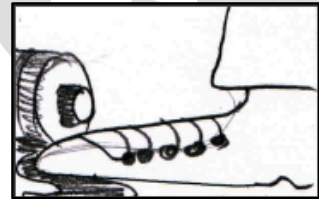
3. SLOW



4. PICNIC



5. SPILL



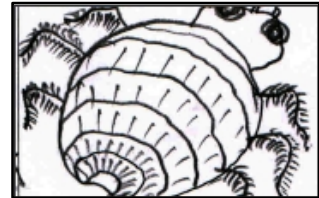
6. INATTENTIVE



7. SHEEP



8. CARE



9. BUSY



10. HUNGRY



11. UNITY

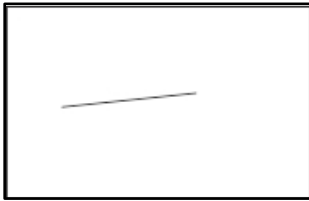


12. INNOCENCE

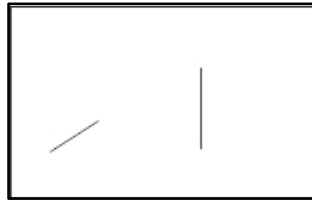


4. Practice Exercises:

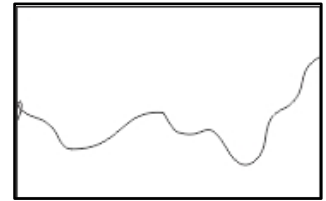
Practice Exercise 1: Complete the lines in the box given below and write a suitable caption.



1. \_\_\_\_\_



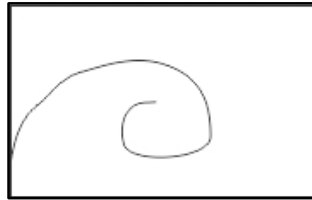
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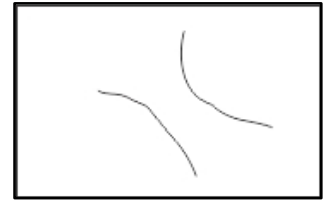
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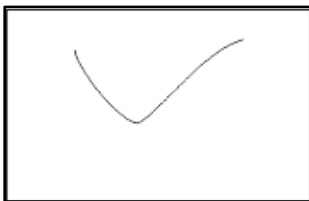
4. \_\_\_\_\_



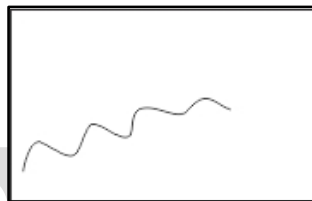
5. \_\_\_\_\_



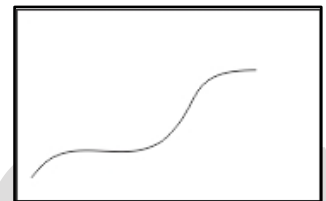
6. \_\_\_\_\_



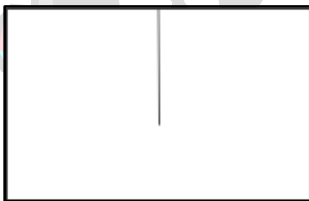
7. \_\_\_\_\_



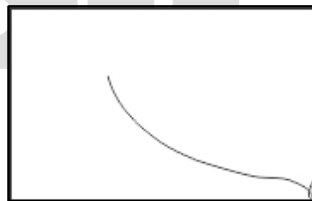
8. \_\_\_\_\_



9. \_\_\_\_\_



10. \_\_\_\_\_

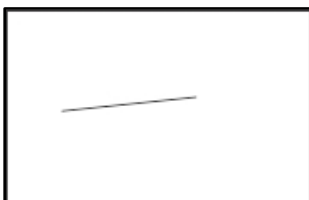


11. \_\_\_\_\_



12. \_\_\_\_\_

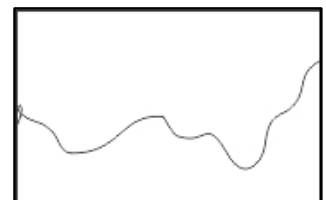
Practice Exercise 2: Complete the lines in the box given below and write a suitable caption.



1. \_\_\_\_\_



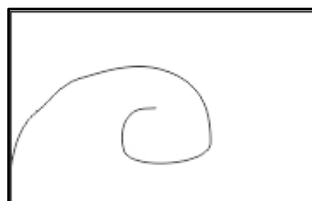
2. \_\_\_\_\_



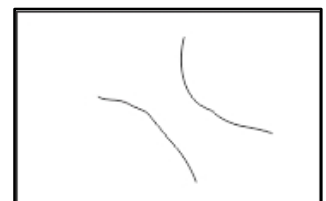
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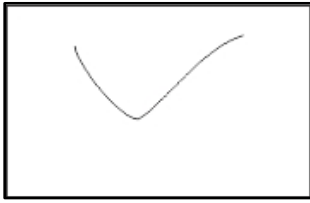
4. \_\_\_\_\_



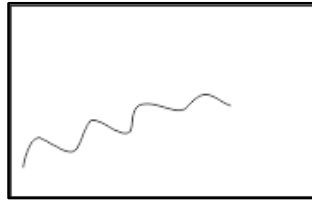
5. \_\_\_\_\_



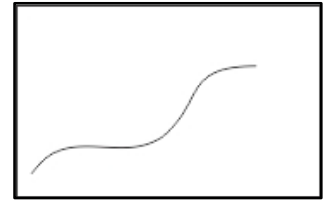
6. \_\_\_\_\_



7. \_\_\_\_\_



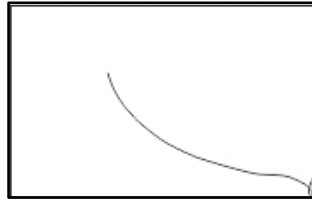
8. \_\_\_\_\_



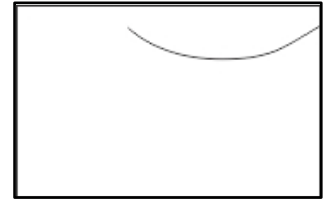
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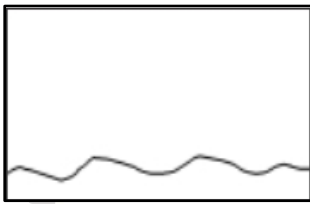


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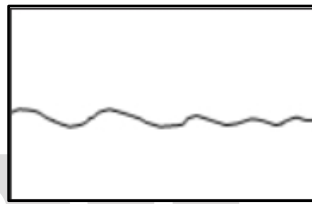


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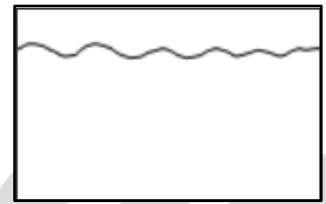
Practice Exercise 3: Complete the lines in the box given below and write a suitable caption.



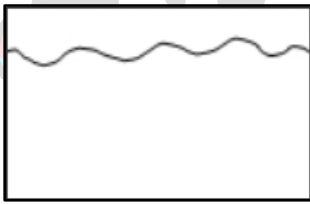
1. \_\_\_\_\_



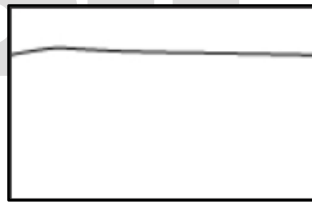
2. \_\_\_\_\_



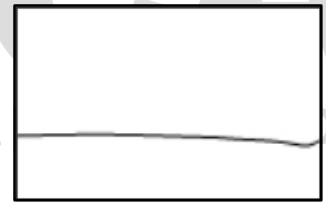
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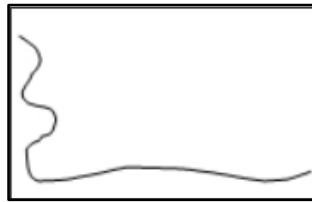
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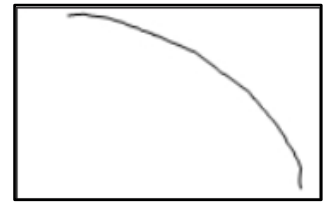
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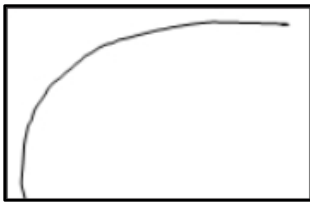
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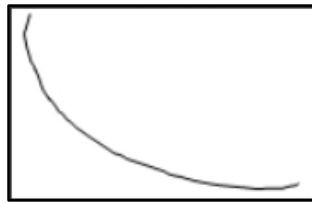
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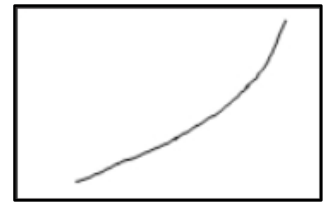
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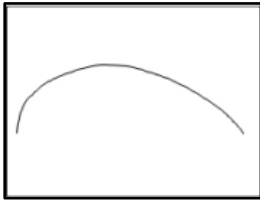


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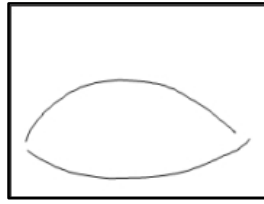


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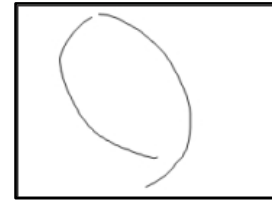
Practice Exercise 4: Complete the lines in the box given below and give suitable caption.



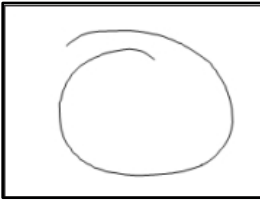
1. \_\_\_\_\_



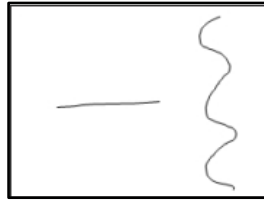
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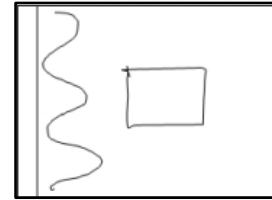
3. \_\_\_\_\_



4. \_\_\_\_\_



5. \_\_\_\_\_



6. \_\_\_\_\_

### 5. References for more Exploration:

Students should practice Doodling on a regular basis. To explore Doodling further, refer to Chapter 8 of SILICA's E-Book – 21 Creative ways for Portfolio Building.

If you are still facing problems, go through following links:

<https://www.youtube.com/watch?v=xwYHCgaUYpM>

<https://www.youtube.com/watch?v=Q4vlzJxsoHM>

<https://www.youtube.com/watch?v=36X2j7nhFA0&NR=1&feature=endscreen>

### 1. Introduction:

Observation is one of the most important attribute of an aspiring designer. In observation test, students are tested on their senses - Visual, Auditory, Touch, Smell etc. The following are some examples of Observation Tests:

- *Video:* You will be shown Video clip followed by few questions that you have to answer.
- *Sound:* You will be exposed to sound clips. You need to identify the sounds.
- *Image:* You will be shown few images one by one for 5-10 seconds, you need to identify them.
- *Others:* Sometimes they will expose you to objects with certain smell or touch, based on smell or touch you have to identify them. Sometimes they may ask situational questions.

### 2. Video Lesson:



### 3. Practice Exercises:

#### Practice Exercise 1: Video

Watch this video and answer the questions- **Reference:** <https://www.youtube.com/watch?v=B-uxeZaM-VM>

- Q. 1: What are the things the little girl photographed?  
 Q. 2: How many lampposts were there when the little girl was taking photos?  
 Q. 3: There was a sculpture in the video clip. What animal was in the sculpture?

#### Practice Exercise 2: Sound

Listen to the sound clip from your DVD 2 > Day 1 > Observation Test > Sound and answer the questions:

- Q. 1: What is the person doing?  
 Q. 2: List out what materials the objects that he touches are made of.

#### Practice Exercise 3: Image

Q. 1: Observe the following images for 20 seconds. Cover the images and identify the objects in the images:



\_\_\_\_\_

#### Practice Exercise 4: Other

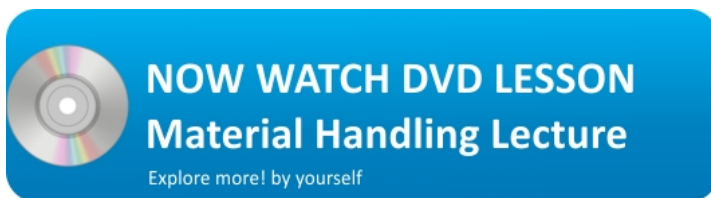
- Q. 1: Draw the Map of India from Memory. Mark the border outline of 2 states- Rajasthan and Assam.  
 Q. 2: Write Down list of Ingredients that are used in making of “Kichdi”.

## 1. Introduction:

Design school exams will test students' ability to handle and manipulate materials. Students will be provided with material like clay, wire, paper etc. Students will be asked to construct something (it can be an object, a model or a 3D structure).

This section will expose students to different materials and how to handle and manipulate them. Today's material is Clay.

## 2. Video Lesson:



## 3. Learning Exercises:

Now watch these videos on Youtube. They are freely available. Learn some more from them how to handle a basic material like Clay.

**Learning Exercise 1:** How to Build a Structure with Clay.

**Reference:** <https://www.youtube.com/watch?v=ZYJ91XoCvbA&list=PLB6F48EA5D57920BC>



**Learning Exercise 2:** How clay is made and used to make a pot

**Reference:** <https://www.youtube.com/watch?v=jTWoIBPVGd4>



### 4. Practice Exercises:

**Practice Exercise 1:** Make a Sphere, a Cone, a Cube and a Pyramid.

**Materials:** Block of clay, 6" scale.

**Hint:** Try to make the perfect shape, check the lines formed at each corner as shown in the adjoining image.

**Reference Images:** <http://www.carstennicolai.de/d/works/img/anti.jpg>

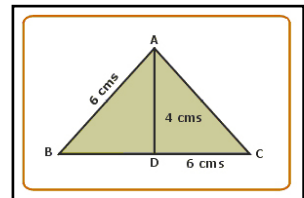


**Practice Exercise 2:** Make a cube of sides 2 cm, 4 cm and 5 cm respectively .

**Materials:** Block of clay, 6" scale.

**Hint:** Be careful about the measurement. Keep on checking at each step length of all sides as given in the adjoining image. You can start with higher value and while finishing, reach the required measurement.

**Reference Image:** <http://image.tutorvista.com/cms/images/38/building-geometric-shapes.jpg>



**Practice Exercise 3:** Using basic geometrical forms make a model of a robot.

**Materials:** Block of clay, 6" scale, Cutter.

**Hint:** Make a sketch first, jumble with different forms to get interesting structure which is also easy to make in given time limit. See adjoining image.

**Reference Image:** <http://cdn2.blisstree.com/wp-content/uploads/2007/01/robotman-1.jpg>



### 5. References for more Exploration:

To explore Clay as material further, refer to chapter 4 of SILICA's E-Book – 21 Creative was for Portfolio Building.

### 1. Introduction:

In the 3D Modeling Test, the design schools are going to look for creative problem solving ability. It majorly involves material handling and modeling. In case of M.Des. or PG exams, the problems will be given based on specialization chosen by the student.

You will be provided with very limited materials and with a situation (problem area). You will have to come up with an effective solution within the time provided. The main thing Design Schools will check is how you respond and resolve the problem within the constraints given.

### 2. Video Lessons:



### 3. Learning Exercises:

Now watch these videos on Youtube. They are freely available. Learn some more from them how to create 3D Models using a basic material like Clay.

**Learning Exercise 1:** Making a simple animal out of clay. Observe how the surface is given texture before adding two lumps of clay. Also see the process of applying finger and making the texture of the skin smooth.

**Reference:** <https://www.youtube.com/watch?v=ocAc--CQdPw>



**Learning Exercise 2:** Sculpting Geometric Forms- learn the geometry of anatomical planes; and how to apply clay to build a simple portrait.

**Reference:** <https://www.youtube.com/watch?v=R1tH03sOhkU>



### 4. Practice Exercises:

**Practice Exercise 1:** Use arrangement of basic forms – cube, sphere and prism and make a pattern depicting one of the following themes. See image for hint.

- a. Corruption
- b. Design
- c. Future

**Materials:** Two Blocks of Clay, 6” Scale

**Reference Image:** [http://photos1.blogger.com/blogger/5245/2760/1600/IMG\\_4301.jpg](http://photos1.blogger.com/blogger/5245/2760/1600/IMG_4301.jpg)



**Practice Exercise 2:** Make a model of a playground for blind children.

Write your concept in 30 words. See image for hint.

**Materials:** A4 Mount Board, One Block of clay, Scissors, 1 m thread, 10 ice cream sticks, 10 Straws.

**Reference Image:** [http://images.sixrevisions.com/2009/12/03-02\\_jungle\\_jim.jpg](http://images.sixrevisions.com/2009/12/03-02_jungle_jim.jpg)





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