As mentioned in the main document – Actual work plan for each activity

Task 1: Welding – for benches, Si-saw, Swing, Fencing, Shelter, dustbins – Std 10th Science - Chapter 3 – Metals non metals

A group of 15 students will be needed for each activity

1. Identify the need of the task
2. According to the need survey of what raw / waste material is available resource material
3. Safety measures – PPT & video presentation <http://www.slideshare.net/brayanpeter/safety-measures-while-using-welding-equipments>
4. List & Costing of the required material
5. With the reference of welding - Science teacher can teaches the lesson to the students of 10th std.
6. Teach the concept of what metals & non metals. <https://docs.google.com/presentation/d/1UaLfYzwOdaOfttxvJoRKWRE7cY0-u5SHLUjA4fOssCM/edit#slide=id.p35>
7. Which metals are used to do the welding?
8. Questions from students.
9. Actual work (Welding)with the available resources
10. Documentation of the work (Activity flow)
11. Discussion about the different ways to complete the task.
12. HPNPDL Session

Task 2: Carpentry – For Benches, Welcome sign – std 10th

1. Discussion about the variety of tasks to be done
2. Make a list of the resources available – Bamboo, ply wood, Waste wood etc
3. Identify the need of the task
4. According to that distribution of the students among small groups for each small activity
5. Bamboo processing – PPT / Film
6. Actual work : Bamboo cutting as per the requirements
7. With available wooden sheets – for making of wooden Benches
8. To make welcome sign on the entrance – Some wooden carving can be done for alphabets
9. Waste bamboos & wooden/ broken material, dried stem of the big trees can be used for decorative purpose.
10. Costing for material purchased.
11. Documentation of the work
12. HPNPDL Session

 Task 3: Gardening – Hanging pots, Drip arrangements, Hanging Bottles Std. 6th – Chapter 7 – Science - Getting know plants

1. Survey of Land – To know the texture of Soil, water conditions etc.
2. According to that Finalizing the type of trees, plantation – for decoration
3. Mapping / measuring of the land
4. By the availability of the area make the design for social space
5. Making small plants for plantation – Decorative plants, big trees, some medicinal plants etc. Here Science teacher can teach them lesson about the plats – its types with the slide show for the variety of the plan, according to the agro climatic conditions.
6. According to availability of water - facilities for the watering the plants
7. Actual working – digging of pits for plantation
8. Plantation – making the tree guards for plants, Watering of plants
9. Documentation of the activity
10. Discussion about the experience
11. HPNPDL Session

Task 4: Ferro - Cement Tank, Benches - std 9th

1. Selection of the instruments needs to be there in the social space.
2. According to that, discussion about the task, why Ferro cement – importance, usefulness etc.
3. Material collection – Cement, sand, chicken mesh, water etc.
4. According to the task, costing of the material needed.
5. Actual work – with student PPT about the Ferro cement
6. Discussion about the experiences of the students.
7. Costing of the material used
8. Documentation of the work
9. HPNPDL Session

Task 5: Coloring of the benches, Si-saw, Swing, Fencing, Shelter, dustbins and sculptures – std 5th

1. Selection of the colors
2. Divide students for different tasks
3. Collect the required material
4. Actual working with students
5. Costing for the material used
6. Documentation of the work

Task 6: Costing – of the required material- Std. 6th – Chapter 9 – Math’s - Data Handling

1. Discussion about ‘What is mean by Costing’
2. Here Math’s teacher can introduce them the chapter of basic mathematics – Data Handling.( It includes total cost of material, tools purchased, labour cost, reusing/repairing of the material, electricity used)
3. For Math’s teacher - Actual Teaching of Costing for all the small activities, so it gives an idea of spending for the Social space.
4. Actual documentation of the costing

Task 7: Survey of the land - Soil Testing, Dumpy level Survey – Std 8th – Geography – Chapter 2 – Land & Soil

1. Finalizing land for social space
2. Actual survey of land – to know about the texture of soil, level of the land, etc
3. Soil Testing – to do the plantation accordingly – for decoration as well as Environmental reasons
4. Here geography teacher can introduce the lesson – Land & soil to the students
5. Dumpy level survey – Discuss the importance of this survey, prevent the soil degradation, to do the arrangements for rain water harvesting.
6. Actual doing the work with student
7. Documentation of the work
8. Discussion about the experiences of the students
9. HPNPDL session

Task 8: Bamboo Processing – for Chairs, Monuments, Sculptures –Std 8th

Video for the bamboo processing.

Teacher: According to the videos & available material can give the different ideas to the students.

Task 9: Designs of the Social Space – Selection according to the need & availability of the resources - Std. 10th – Science – Chapter 15

Task 10: Drawings according to the actual availability of the land. – Std. – 7th

Teacher should ask students to draw different designs as per their imagination.

Show them various designs for reference.

After that, out of all the designs we need to finalize the design as per our requirements.

Link: Teachers can show the students photos

Task 11: Various sculptures – for decoration – Std. - 8th

Task 12: Reuse & recycling of the waste material – Std. 10th – Science – Chapter 15

According to the need of the project we need to make various sculptures, by using various waste materials to reuse it.

Here Science teacher can give the detailed explanation about the concept of Recycling of the wastes.