



INTEGRATED WINTER HOMEWORK PROJECT- IV

Session 2025-26

Topic: Organic Waste

Integrated homework offers advantages like deeper understanding, enhanced problem-solving skills, and improved motivation by connecting different subjects and showing their real-world applications. It fosters critical thinking, creativity, and concentration while helping students develop time management and independent learning habits.

Dear Parents,

We encourage your child to take ownership of their integrated homework and refrain from doing the work for them, but instead, allow them to use their critical thinking and creativity to complete it. Let them do the work independently.

ENGLISH

1. Use the words “compost”, “kitchen”, “waste”, “garden” ”bucket soil, peels, plants and grow to write a short creative story of 60-80 words
2. Imagine your dustbin can talk write 5-6 sentences about what it would say when people throw organic waste and plastic together. Use the following words to write meaningful sentences “recycle”, “nature”, “dump”, “cleanliness”, “rotten”, “biodegradable”

MATHEMATICS

Q1 If Riya collected 250 g of fruit peels and 340 g of vegetable scraps, how much did she collect in total?

Q2 A compost bin had 2 kg 500 g of waste. After 1 week it reduced to 1 kg 750 g. How much decomposed?

Q3 Geometry & Compost Garden

Design a mini compost garden layout: A rectangular compost pit with circular flower beds around it and a triangular leaf-collection area. Label the shapes and measure lengths with a scale.

URDU/HINDI

1. Write a paragraph on how we use organic waste to generate energy and paste pictures also.
2. Find and write five nouns and adjectives in it.

SCIENCE

Make a Compost Bottle (Simple & Safe)

Objective: See decomposition of organic waste

Instructions:

1. Take a transparent plastic bottle.
2. Add layers: Soil, Vegetable peels / fruit peels, Soil, Add a little water and cover with holes on the cap.
3. Observe for 2 weeks.



Presentation Convent Hr. Sec. School

Rajbagh, Srinagar-190008

4. Record observations: Colour change, Bad smell or no smell, Change in size of waste, Presence of insects
5. Draw before and after pictures.

SOCIAL STUDIES

1. Find out what is Organic Waste.
2. Look around your home. List at least five examples of organic waste that are produced in your kitchen (e.g., fruit peels, vegetable scraps, egg shells, etc) and paste them on a A4 size art paper.
3. Write a short, fun story titled, “the journey of a Banana peel”-from Kitchen -dustbin-compost to helping a plant to grow.
4. Choose the things that are organic waste and make a colourful art work on a A4size paper using the waste material

KASHMIRI

1. Make a list of ten organic and ten inorganic things and frame sentences.
2. Write a short paragraph about any organic thing that we use in our Kitchen

PUNJABI

1. Write a paragraph on: - “What will I do to reduce waste in my home?”
2. Collage making on 3 Rs – reduce, reuse and recycle.

Instructions:

1. Work to be done on loose sheets in best of the handwriting with proper name/subject/class/section and roll numbers.
2. Different subjects to be stapled separately and put in a single file cover under the name of the project.
3. Homework to be submitted during first three working days to the respective class teachers.

Thank you for your cooperation.