



SHAMBHU DAYAL GLOBAL SCHOOL

HOLIDAY HOMEWORK (2025-26)

CLASS – VIII

ENGLISH	MATHEMATICS														
<p>Theme- Future jobs skills for 2050</p> <p>Title-"Skill Academy 2050" Brochure</p> <p>Activity: Design a brochure for a fictional academy that teaches future skills. Include course names, skill goals, and futuristic visuals. Skills used: Informational writing, creativity, formatting.</p> <p>Instructions-</p> <p>🌟 STEP 1: Define Your Academy's Identity(name,tagline,logo idea)</p> <p>📖 STEP 2: Decide Course Names & (Content)Create 4–5 futuristic course names, with skill goals.)</p> <p>🎯 STEP 3: Define Skill Goals (Learning Outcomes)(Choose what learners will gain from the academy.)</p> <p>📋 STEP 4: Plan the Brochure Format Design a tri-fold brochure (six panels total).</p> <table border="1"> <thead> <tr> <th>Panel</th><th>Content</th></tr> </thead> <tbody> <tr> <td>1 (Front cover)</td><td>Name, logo, tagline, contact info, eye-catching image</td></tr> <tr> <td>2 (Inside left)</td><td>"About the Academy" – mission, unique features</td></tr> <tr> <td>3 (Inside middle)</td><td>Course list with short descriptions</td></tr> <tr> <td>4 (Inside right)</td><td>Skill goals, capstone projects</td></tr> <tr> <td>5 (Back panel)</td><td>Enrolment info, social links, scholarship notice</td></tr> <tr> <td>6 (Optional inner flap)</td><td>Testimonials or futuristic quote</td></tr> </tbody> </table>	Panel	Content	1 (Front cover)	Name, logo, tagline, contact info, eye-catching image	2 (Inside left)	"About the Academy" – mission, unique features	3 (Inside middle)	Course list with short descriptions	4 (Inside right)	Skill goals, capstone projects	5 (Back panel)	Enrolment info, social links, scholarship notice	6 (Optional inner flap)	Testimonials or futuristic quote	<p>Theme: Future Job Skills 2050 Topic: Design your Future Jobs with Maths</p> <p>Task: Culinary Scientist for Space Exploration</p> <p>The Scenario: As humanity ventures further into space, ensuring astronauts have nutritious and palatable food is crucial. You're a culinary scientist developing recipes and food preparation methods optimized for long-duration space missions.</p> <p>The Math Task:</p> <p>1) Recipes need to be easily scalable for different crew sizes. If a recipe for a protein bar calls for $\frac{1}{4}$ cup of protein powder per serving, how much protein powder is needed for a crew of 6? If you only have 121 cups of protein powder, how many servings can you make?</p> <p>2) Ingredient mass needs to be carefully controlled in the microgravity environment. You might be working with fractions of grams. If a nutrient packet contains $\frac{1}{10}$ of a gram of vitamin C, and a meal requires 2.5 times this amount, how many grams of vitamin C are in the meal? Express the answer as both a fraction and a decimal.</p> <p>3) Dehydration and rehydration are common food preservation techniques in space. If a fruit snack loses $\frac{1}{3}$ of its original mass during dehydration, and its original mass was 120 grams, what is its mass after dehydration? If the rehydration process adds $\frac{1}{4}$ of the dehydrated mass back as water, what is the final mass?</p>
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<p>Future Job Skills 2050: Holiday Homework Questions</p> <p>Question 1: Imagine you're living in the year 2050. From the list below, choose two skills you think would be most important for a job you'd like to have in the future:</p> <p>Working with robots and AI Caring for the environment</p>	<p>Topic- Future job skills for 2050</p> <p>विज्ञापन लेखन – 2050 की एक नौकरी के लिए A-4 पर शीट विज्ञापन तैयार कीजिए।</p> <ul style="list-style-type: none"> ● 'जरूरत है'-स्पेस ट्रेवल गाइड की ● "AI Master - अब पढ़ाई भी गेम जैसी" ● भारत सरकार की नई योजना – "युवा स्किल मिशन 2050" <p>अनुच्छेद लेखन - किसी एक विषय पर A-4 शीट पर 100 से 120 शब्दों में अनुच्छेद लिखिए।</p>														

<p>Communicating with people from different countries Coming up with creative ideas Understanding how different parts of the world affect each other Helping and understanding other people</p> <p>In half a page, explain why you chose these skills and give examples of how you might use them in your future job.</p> <p>Question 2: Ask a parent, relative, or family friend how technology has changed their job or daily life in the past 10 years. Then, think about a job you find interesting and write a paragraph about how you think technology might change that job by the time you're an adult. What new skills might you need to learn to be good at this job in the future?</p> <p>Do this on printed A4 sheets and place it in your Holiday homework file.</p>	<ul style="list-style-type: none"> • भविष्य की दुनिया में शिक्षकों की भूमिका • 2050 में मेरी पसंदीदा नौकरी • 2050 की नौकरी और उसकी ज़रूरत • भविष्य की नौकरियों में तकनीक की भूमिका • 2025 और 2050 की नौकरियों में अंतर
<p style="text-align: center;">FRENCH</p> <p>Theme - Future jobs- skills for 2050 Topic: Future me- A glimpse into 2050 Instruction: (i) Name of job (ii) Write a paragraph in 150 words</p>	<p style="text-align: center;">SANSKRIT</p> <p>Theme - Future jobs- skills for 2050 गतिविधि- संस्कृत का भविष्य और आने वाले समय में संस्कृत से संबंधित क्या व्यवसाय हो सकते हैं, सचित्र वर्णन कीजिए नोट - यह कार्य अपनी उत्तरपुस्तिका में करिए ।</p>
<p style="text-align: center;">IDU SPORTS</p> <p>Topic-Future in Sports Jobs: -Skill for 2050 Research Project (Written Report – 2 pages) Title: “Future Sports Jobs: Preparing for 2050” Identify and describe 3 new sports jobs that could exist in 2050 (e.g., Virtual Reality Coach, AI Sports Analyst, E-Sports Fitness Trainer). Explain what skills (technical, physical, digital, soft skills) would be needed for each. Include one paragraph on how current education and training might change to prepare athletes and professionals for these roles. Creative Task (Choose One) *Design a futuristic sports uniform or equipment for the year 2050 and label its smart features (can be drawn or digitally created). *Make a mini poster titled “Skills for Future Athletes” listing top 5 skills with visuals. Optional (Extra Credit): Record a 1-minute video (in English or Hindi) pretending to be in 2050, introducing your future sports job and what your daily work looks like.</p>	<p style="text-align: center;">VISUAL ART</p> <p>Topic: Future Jobs – Skills for 2050 : Art and Craft Project Create an art or craft project that shows what jobs and skills might be important in the future (by the year 2050). Creative Task (Choose Two) Project with Materials: 1. Robot Assistant Model Materials: Cardboard, bottle caps, foil, glue, coloured paper Concept: Show a robot helping with tasks like teaching, cleaning, or medicine. 2. Future City Collage Materials: Old magazines, newspapers, chart paper, glue, sketch pens Concept: Create a smart city with AI jobs, flying cars, renewable energy workers. 3. Augmented Reality Artist Poster Materials: Drawing paper, colors, glitter, foil Concept: Show how artists will use tech like AR/VR to create future art. 4. Skill Tree for 2050 (Craft Tree) Materials: Paper rolls, leaves cut from colored paper, markers Concept: Each branch shows a skill like coding, creativity, empathy, robotics,</p> <p style="text-align: center;">IND. & SOCI.</p>

	<p>Topic 1: Future Jobs & Skills for 2050 Using AI Tools for Your Project 1. Create a Career Magazine Tool: ChatGPT / Canva / Microsoft Designer</p> <ul style="list-style-type: none"> • Use ChatGPT to write articles or interview scripts. Example: “ChatGPT, write a short article on the job of a space farmer in 2050.” • Use Canva or Microsoft Designer to design the magazine pages with AI-generated images. <p>2. Comic Strip or Video Tool: Bing Image Creator / Canva / Animoto / Toonly</p> <ul style="list-style-type: none"> • Use Canva or Bing Image Creator to make a comic strip on the topic “The Constitution Saves the Day!” • Or use Toonly or Animoto to make a short, animated video. <p>Topic 2: Architecture and Design Using AI Tools for Your Project 1. Design a Futuristic Smart Home Tool: Tinker cad / ChatGPT / Bing Image Creator</p> <ul style="list-style-type: none"> • Use Tinker cad (free online 3D design tool) to build your home. • Use ChatGPT to describe eco-friendly features. • Generate a sketch using Bing Image Creator. Prompt: “Draw a smart eco-home made with recycled materials.” <p>2. Photo Collage of Global Styles Tool: Google Search + Canva Collage Maker</p> <ul style="list-style-type: none"> • Collect images of buildings from different countries. • Use Canva’s photo collage templates to arrange them.
CLUB	SKILL
<p>MASS MEDIA:</p> <p>“Mass Media Myth Busters – Community Edition”</p> <p>Project Title: <i>What People Still Believe</i> Activity: Find and list 3 common myths/misconceptions in your community (e.g., “Owls bring bad luck”, “Girls shouldn’t ride bikes”, “Vaccines are harmful”).</p> <ul style="list-style-type: none"> • Do a mini-research and bust each myth with facts + one simple poster or digital visual • Write one powerful line for social change under each <p>Outcome: Critical thinking, public awareness, cultural sensitivity, fact-based reasoning</p>	<p>EMBROIDERY: TASK 1: Create a beautiful Parandi using traditional craft materials like bangles, latkans and dolls Task 2: Prepare a Sample Cloth (minimum size: 12 x 12 inches). Practice and neatly stitch the following 6 embroidery stitches:</p> <ul style="list-style-type: none"> • Stem Stitch • Satin Stitch • Chain Stitch • Blanket Stitch • Fishbone Stitch • French Knots <p>Design and complete an embroidered panel/poster based on one of the following themes:</p> <ul style="list-style-type: none"> • “My Dream World” • “Traditional Indian Motifs” • “Festivals of India” <p>Use a minimum of 5 different stitches in your artwork. Fabric size: Between A4 and A3 Mount it on card paper or present it in a handmade folder.</p>

AQUACULTURE:

Activity 1: Mini Home Hydroponics Setup- Aquaculture Activity

Objective: Understand how plants can grow without soil in water.

Instructions:

- Create a simple **hydroponic system** using:
 - A transparent plastic bottle
 - Cotton/wool or sponge
 - Water
 - Seeds (e.g., coriander, spinach, basil)
- Observe plant growth for 2 weeks.
- Record:
 - Date of germination
 - Growth observations (with sketches or photos)
 - Write a **short report (150–200 words)** on what you learned.

SOLID WASTE MANAGEMENT:

Activity 1: Research-Based Presentation --Solid waste activity

Objective: Deepen understanding of real-world waste issues.

Choose any one topic:

- “Challenges of Solid Waste Management in Indian Cities”
- “How Sweden or Japan Manages Its Waste: Lessons for India”
- “The Life Cycle of Plastic: From Use to Waste”
- “Role of Youth in Zero Waste Living”

Instructions:

- Prepare a **3–5 minute oral or PowerPoint presentation** (5–7 slides max).
- Include facts, visuals, and your opinion on how change can be made locally.

Theme: “*Growing Green with Water*”

MOVIE MAKING:

Topic: Movie Making – Create a Short Film

Make Video on -Theme or Story

- ☐ Real-life issues (peer pressure, bullying, environment)
- ☐ Inspirational story or biography

2 Shoot the Movie

3D PRINTING: Make a model of any building like house or monument on google sketchup, save that file and share that on whatsapp so that can be printed on 3d printer.

POTTERY: Skill Focus: Listening, imagination, drawing

Activity: Tell a short, fun story about how blue pottery is made (Tile making)

Material required ;- Natural clay

- Use a smartphone or tablet (landscape mode recommended)
- Pay attention to:
 - **Lighting** (shoot during the day or use lamps)
 - **Sound** (record in a quiet space or use subtitles)
 - **Camera angles** (try close-ups, wide shots, etc.)
- You can include animation, voiceovers, or even green screen effects (optional)

3 . Edit the Film

Use beginner-friendly video editing apps like:

- **Kinemaster**
- **CapCut**
- **iMovie**
- **Shotcut** (PC)
- **InShot**

Add:

- Title screen and end credits
- Background music or sound effects
- Transitions and effects (don't overdo it)

4. Final Touches

- Give your movie a **catchy title**
- Add **credits** at the end (actors, director, scriptwriter, etc.)
- Double-check sound and visuals before finalizing

5. Submission

- Submit your movie to your class teacher