

LAKSHMIPAT SINGHANIA ACADEMY

OPEN BOOK PROJECT

SESSION: 2024 – 2025

TERM: 2

CLASS – IV

THEME: MY SCHOOL, MY PRIDE

- ✚ All projects to be done in school.
- ✚ Instructions given by each subject teacher to be read carefully.
- ✚ Only research work required for the projects to be done at home.
- ✚ No written work to be done at home for the projects.
- ✚ Materials required for the projects to be brought by the group members.
- ✚ All group members must participate actively in the execution of the projects.

ENGLISH

CLASS: IV

FULL MARKS: 20

INSTRUCTIONS

- Use light coloured chart paper or fabriano sheets for your project.
- Include suitable drawings/pictures to enhance your overall presentation.
- Refer to the school website ([www. Isakolkata.com](http://www.Isakolkata.com)) to gather information but the matter must be written in your own words.

THEME: MY SCHOOL MY PRIDE

LEARNING OBJECTIVES:

After the completion of the project students will be able to:

- know more about their school and be proud of its achievements
- appreciate the endeavours of the school in grooming the students
- learn how to write a pledge
- augment their writing and imaginative skills
- enhance their creative and artistic skills

School is our second home. It plays a major role in developing the character and personality of an individual. This project will help you to reflect on the glory of your institution and shower your love and respect for the Academy.

WHAT YOU NEED TO DO:

The class will be divided into 6 groups. Each group will do the following as given below.

1) Photo essay celebrating the achievements of your school.

A photo essay is a collection of images with text/captions that tells a story or conveys a specific theme or message.

- **Introduction:** Briefly introduce the purpose of the photo essay, highlighting the importance of achievements in fostering school spirit and pride.
- Think of the different fields in which your school has achieved success. You may include the following:
 - academics: CBSE board results in Class X and XII
 - extracurricular activities: chess, skating, inter school competitions
 - international competitions: International Space Settlement Design Competition, International Cyberfair

- community service: HelpAge India, donation drive of rice, umbrellas, new clothes
- special awards: Telegraph School Awards, National School Awards

<https://lsakolkata.com/Award-Achievement.php>

<https://lsakolkata.com/Beyond-Curriculum.php?cat=12>

- On chart paper/ fabriano sheets illustrate or stick pictures of the achievements. Write captions and one/two lines on them.
- Give a **conclusion** to summarize the overall impact of these achievements on the students and teachers of the school.

2) Pledge to respect and honour school –

A school pledge is a statement of loyalty and promise that students take to encourage positive actions and behaviour and to uphold certain values and principles within their school community. It typically emphasizes respect, responsibility, integrity and a dedication to learning. The pledge serves as a reminder of the shared values that contribute to a positive school environment.

Think and reflect on the following:

- What are the vision and mission of our school?
- What does our school mean to us?
- How can we show respect in our daily actions?
- What are the values and behaviour that contribute to a respectful school environment and are important to the school community (e.g., respect, responsibility, kindness, duty towards the environment etc)?

Now **draft a pledge**, in 60-70 words, on the promises of a student of Lakshmiptat Singhania Academy to honour and respect the school and to help the school to progress in leaps and bounds.

Write the pledge on a chart paper/fabriano sheet.

Use calligraphy, illustrations and incorporate school colours or symbols creatively to enhance your presentation.

LEARNING OUTCOME:

At the end of the project students will be able to showcase the vibrant achievements of the school community in a compelling visual format. The making of the pledge will foster a sense of community and also empower students to take ownership of their behavior and contribute positively to their school environment.

RUBRIC

| CATEGORY | 4 | 3 | 2 | 1 |
|--|---|--|---|--|
| CONTENT– Accuracy and research | All relevant details are included in the photo essay and pledge and reflect exhaustive research work done on the topics. | The photo essay and pledge contain almost all details with considerable amount of research work done on the topics. | The photo essay and pledge do not include all relevant details and research work done on the topics is not exhaustive. | The photo essay and pledge lack quite a few necessary details with little or no research work done on the topics. |
| STYLE OF WRITING – spelling, grammar, choice of words | The text of the photo essay and pledge are clearly written with no grammatical or spelling errors. Choice of words is accurate. | The text of the photo essay and pledge are clearly written with no grammatical or spelling errors. Choice of words could have been better. | The text of the photo essay and pledge present some grammatical or spelling errors. Choice of words is limited. | The text of the photo essay and pledge present many grammatical and spelling errors. Choice of words is extremely limited. |
| CREATIVITY AND ORIGINALITY | Displays great amount of creativity and originality. | Displays good amount of creativity and originality. | Displays limited amount of creativity and originality. | Displays lack of creativity and originality. |
| OVERALL PRESENTA TION | The planning and execution of the layout, design and presentation of the photo essay and pledge are excellent. | The planning and execution of the lay out, design and presentation of the photo essay and pledge are good. | The planning and execution of the layout, design and presentation of the photo essay and pledge are well done, but has scope for improvement. | The planning and execution of the layout, design and presentation of the photo essay and pledge have not been done properly. |
| INDIVIDUAL CONTRIBUTION | Participated actively in the project. Exhibited good leadership qualities and helped members. Was an excellent team member. | Participated actively in the project. Followed the suggestions of the members. Was a good team member. | Participated in the project but not wholeheartedly. Had minor adjustment issues with the members. Was an average team member. | Little effort shown towards completion of the project. Disturbed the other team members and did not believe in teamwork. |

Class-IV
Subject- Hindi 2nd Language

F.M. 20

TOPIC- मेरा विद्यालय मेरा गर्व

उद्देश्य (Objectives)

- कल्पनाशीलता का विकास
- रचनात्मकता का विकास
- भाषा शैली का विकास
- व्यावहारिक ज्ञान का विकास
- नैतिक मूल्यों का विकास
- विद्यालय के महत्त्व भान
- भाषिक क्षमता और वैचारिक क्षमता का विकास



विद्यालय विद्यार्थियों का गर्व होता है जहाँ उनका सर्वांगीण विकास शिक्षक-शिक्षिकाओं के द्वारा होता है। विद्यालय में विद्यार्थी तरह-तरह के ज्ञान अर्जित करते हैं। कक्षा में पढ़ाई करके, प्रार्थना सभा में अपनी प्रतिभा को रंगा-रंग कार्यक्रम के द्वारा प्रस्तुत करके, खेल के मैदान में हार-जीत के द्वारा अपनी बौद्धिक और शारीरिक क्षमता का विकास करते हैं। अतः परियोजना कार्य के अन्तर्गत हम अपने विद्यालय के प्रार्थना सभा के एक दिन के कार्यक्रम को पूरा करेंगे। हम बृहस्पतिवार के कार्यक्रम को परियोजना कार्य में पूर्ण करेंगे।

सामूहिक परियोजना कार्य

परियोजना कार्य से जुड़े आवश्यक निर्देश-

आवश्यकतानुसार चार्ट पेपर और A4 साइज पेज का इस्तेमाल करेंगे।

सदनानुसार अपनी प्रार्थना सभा के लिए एक विषयवस्तु का चुनाव करें।

क) परियोजना कार्य - पोस्टर निर्माण

हिंदी परियोजना कार्य के अन्तर्गत आप एक पोस्टर का निर्माण करेंगे।

पोस्टर में निम्नलिखित बिंदुओं का समावेश होना चाहिए।-

- विषयवस्तु पर एक पोस्टर का निर्माण करेंगे।
- पोस्टर को एक आकर्षक शीर्षक देंगे।
- विषयवस्तु से जुड़े हुए कुछ चित्र चिपकाएँगे।
- विषयवस्तु को दर्शाते हुए दो स्लोगन लिखेंगे।
- विषयवस्तु से आपको क्या सीख मिली उसे दो वाक्यों में लिखेंगे।
- परियोजना कार्य की प्रस्तुति व भाषा पर विशेष ध्यान दे।

ख) रचनात्मक क्रिया

बृहस्पतिवार के प्रार्थना सभा की प्रस्तुति सम्पूर्ण समूह के साथ करेंगे। जिसमें निम्नलिखित बिन्दुओं का समावेश होना चाहिए-

- ❖ आध्यात्मिक विचार की प्रस्तुति (कुरान)
- ❖ आज का सुविचार का वाचन
- ❖ आज का शब्द, अर्थ और वाक्य का वाचन
- ❖ हिन्दी समाचार का वाचन
- ❖ विषयवस्तु को ध्यान में रखकर रंगारंग कार्यक्रम की प्रस्तुति करेंगे।
- ❖ विशेष सूचना - आध्यात्मिक विचार ,आज का सुविचार ,आज का शब्द, अर्थ और वाक्य ,हिन्दी समाचार को लिखकर पोस्टर के एक भाग में चिपकाएँगे।

LEARNING OUTCOMES (अधिगम प्रतिफल)

इस परियोजना कार्य के माध्यम से विद्यार्थी एक दिन के प्रार्थना सभा के कार्यक्रम की महत्ता को, पोस्टर निर्माण की कला को, नारा लेखन की कला , प्रार्थना सभा के संचालन को सीखने में सक्षम हुए।

RUBRICS FOR CLASS 4 HINDI PROJECT(UT_3)

| मानदंड | 4 | 3 | 2 | 1 |
|--|---|---|--|--|
| विषय-वस्तु का प्रभावी और सृजनात्मक वर्णन | विषय सामाग्री से जुड़े तथ्यों पर गहरा शोध और लेख में सटीक एवं विषयानुरूप वर्णन है। | एक या दो तथ्यात्मक त्रुटियों के अलावा अधिकांश तथ्य सही एवं विषयानुरूप हैं। | कुछ तथ्य विषयानुरूप हैं पर तीन से अधिक त्रुटियाँ पाई गई हैं। | प्रयुक्त लेखों में विषय सामाग्री स्पष्ट नहीं है। |
| कलात्मक क्षमता एवं चित्र संकलन | परियोजना के विषय की प्रभावी अभिव्यक्ति के लिए रंगों साज-सज्जा और तस्वीरों का अच्छा उपयोग। | परियोजना के विषय की प्रभावी अभिव्यक्ति के लिए रंगों साज-सज्जा और तस्वीरों का कुछ उपयोग। | परियोजना के विषय की प्रभावी अभिव्यक्ति के लिए रंगों साज-सज्जा और तस्वीरों का कम उपयोग। | परियोजना के विषय की प्रभावी अभिव्यक्ति के लिए रंगों साज-सज्जा और तस्वीरों का अच्छा उपयोग नहीं किया। |
| भाषा का प्रयोग | प्रस्तुतीकरण में वाक्य-विन्यास, वर्ण-विन्यास एवं विराम चिह्न संबंधी त्रुटियाँ न होना। सहज एवं बोधगम्य भाषा का उपयुक्त प्रयोग। | प्रस्तुतीकरण में वाक्य-विन्यास, वर्ण-विन्यास एवं विराम चिह्न संबंधी कुछ ही त्रुटियाँ का होना। | प्रस्तुतीकरण में वाक्य-विन्यास, वर्ण-विन्यास एवं विराम चिह्न संबंधी त्रुटियाँ के कारण भाषा की उपयुक्तता का अभाव पाया जाना। | प्रस्तुतीकरण में वाक्य-विन्यास, वर्ण-विन्यास एवं विराम चिह्न संबंधी त्रुटियाँ के कारण विषयानुसार भाषा का प्रयोग न हो पाना। |
| दिशा निर्देशों का पालन/ समयनिष्ठता | दिशा निर्देशों का कड़ाई से पालन एवं समयानुसार कार्य सम्पन्न होना। | अधिकांश निर्देशों का पालन एवं समयानुसार कार्य सम्पन्न होना। | बहुत कम दिशा निर्देशों का पालन एवं अतिरिक्त समय देने के पश्चात कार्य सम्पन्न होना। | दिशा निर्देशों का पालन एवं समयानुसार कार्य सम्पन्न न हो पाना। |

| | | | | |
|-----------------|--|--|--|---|
| समग्र प्रस्तुति | परियोजना का समग्र प्रभाव रोचक और आकर्षक। | परियोजना का समग्र प्रभाव ध्यान आकर्षण के लिए पर्याप्त। | परियोजना की समग्र प्रस्तुति को आकर्षक बनाने के लिए कुछ ही प्रयास किया गया। | समग्र प्रस्तुति को रोचक बनाने के लिए विद्यार्थी ने किसी प्रकार का प्रयास नहीं किया। |
|-----------------|--|--|--|---|

TOPIC- আমার বিদ্যালয় আমার গর্ব

উদ্দেশ্য (Objectives)

- কল্পনার বিকাশ
- সৃজনশীলতার বিকাশ
- ভাষাশৈলীর বিকাশ
- ব্যবহারিক জ্ঞানের বিকাশ
- নৈতিক মূল্যবোধের বিকাশ
- বিদ্যালয়ের গুরুত্ব উপলব্ধি করা
- ভাষাগত ক্ষমতা এবং ধারণাগত ক্ষমতার বিকাশ



শিক্ষার্থীরা সেই বিদ্যালয়ের জন্য গর্বিত যেখানে শিক্ষক শিক্ষিকাদের মাধ্যমে তাদের সর্বাঙ্গীন বিকাশ ঘটে।

শিক্ষার্থীরা বিভিন্ন ধরনের জ্ঞান অর্জন করে। শ্রেণীকক্ষে অধ্যয়ন করে, প্রার্থনা সভায় বর্ণাঢ্য অনুষ্ঠানের মাধ্যমে তাদের প্রতিভা উপস্থাপন করে এবং খেলার মাঠে জয়-পরাজয়ের মাধ্যমে তাদের মেধা ও শারীরিক সক্ষমতার বিকাশ ঘটে। তাই প্রকল্প কাজের আওতায় আমাদের বিদ্যালয়ের একদিনের প্রার্থনা সভার কার্যক্রম সম্পন্ন করব। প্রকল্পের কাজে বৃহস্পতিবারের কর্মসূচি শেষ করব।

দলগত প্রকল্পের কাজ

প্রকল্পের কাজ সংক্রান্ত প্রয়োজনীয় নির্দেশাবলী :
প্রয়োজন অনুযায়ী চার্ট পেপার এবং A4 সাইজ পেপার ব্যবহার করবে।

ক) প্রকল্পের কাজ - পোস্টার তৈরি

বাংলা প্রকল্প কাজের অধীনে, তোমরা একটি পোস্টার তৈরি করবে।
পোস্টারে নিম্নলিখিত বিষয়গুলি অন্তর্ভুক্ত করা অত্যন্ত প্রয়োজনীয়।

- ❖ দলগত ভাবে তোমরা প্রার্থনা সভার জন্য একটি বিষয় (Theme) নির্বাচন করো।
 ১. বিষয় অনুযায়ী একটি পোস্টার তৈরি করবে।
 ২. পোস্টারে একটি আকর্ষণীয় শিরোনাম দেবে।
 ৩. থিম সম্পর্কিত কিছু ছবি পেস্ট করবে।
 ৪. থিম প্রতিফলিত হয় এমন দুটি স্লোগান লিখবে।
 ৫. বিষয়বস্তু থেকে তোমরা যা শিখছে তা দুটি বাক্যে লিখবে।
 ৬. প্রকল্পের কাজের উপস্থাপনা এবং ভাষার প্রতি বিশেষ মনোযোগ দেওয়া জরুরী।

খ) সৃজনশীল ক্রিয়া -

পুরো গ্রুপের সাথে বৃহস্পতিবারের প্রার্থনা সভা পেশ করবে। যার মধ্যে নিম্নলিখিত পয়েন্ট অন্তর্ভুক্ত করা উচিত।

- আধ্যাত্মিক চিন্তার উপস্থাপনা (কোরান)
- আজকের ভালো চিন্তা পাঠ
- আজকের শব্দ, অর্থ ও বাক্য পাঠ
- বাংলা সংবাদ পাঠ
- থিম মাথায় রেখে একটি বর্ণাঢ্য অনুষ্ঠান উপস্থাপন করবে।

✓ বিশেষ তথ্য - আধ্যাত্মিক চিন্তা, আজকের ভালো চিন্তা, আজকের শব্দ, অর্থ ও বাক্য, বাংলা সংবাদ পোস্টারের একটি অংশে লিখে পেস্ট করবে।

LEARNING OUTCOMES (কার্যের কাঙ্ক্ষিত ফলাফল)

এই প্রকল্পের কাজের মাধ্যমে শিক্ষার্থীরা একদিনের প্রার্থনা সভা অনুষ্ঠানের গুরুত্ব বুঝতে, পোস্টার তৈরির শিল্প, স্লোগান লেখার শিল্প এবং প্রার্থনা সভা পরিচালনা করতে সক্ষম হয়েছে।

Evaluation Rubric (2024-2025)

| Skills দক্ষতা | Competency যোগ্যতা | | | |
|---|---|---|---|--|
| | 4 | 3 | 2 | 1 |
| বিষয়বস্তুর কার্যকরী এবং সৃজনশীল বর্ণনা | বিষয়ের সাথে সম্পর্কিত তথ্যগুলির উপর গভীর গবেষণা রয়েছে এবং নিবন্ধে বর্ণনাটি বিষয়ের সাথে সঠিক এবং প্রাসঙ্গিক। | দু-একটি তথ্যগত ভুল বাদে অধিকাংশ তথ্যই সঠিক এবং বিষয়ের সাথে সঙ্গতিপূর্ণ। | বিষয় অনুযায়ী কিছু তথ্য কিন্তু তিনটির বেশি ত্রুটি পাওয়া গেছে। | ব্যবহৃত নিবন্ধগুলির বিষয়বস্তু স্পষ্ট নয়। |
| শৈল্পিক ক্ষমতা এবং ছবি সংগ্রহ | প্রজেক্টের থিমকে কার্যকরভাবে বোঝাতে রং, সাজসজ্জা এবং ছবির ভালো ব্যবহার। | প্রকল্পের থিমের কার্যকরী প্রকাশের জন্য রঙ এবং ছবির কিছু ব্যবহার। | প্রকল্পের থিমের কার্যকরী প্রকাশের জন্য রঙ, সজ্জা এবং ফটোগ্রাফের ন্যূনতম ব্যবহার। | প্রজেক্টের থিমের কার্যকরী প্রকাশের জন্য রং, সাজসজ্জা এবং ছবির ভালো ব্যবহার করা হয়নি। |
| ভাষার ব্যবহার | উপস্থাপনায় বাক্য-বিন্যাস, বানান এবং বিরাম চিহ্নে কোনো ত্রুটি থাকা উচিত নয়। সহজ ও বোধগম্য ভাষার যথাযথ ব্যবহার। | উপস্থাপনায় বাক্য-বিন্যাস, বানান এবং বিরাম চিহ্নের কয়েকটি ত্রুটি রয়েছে। | উপস্থাপনায় বাক্য গঠন, বানান এবং বিরাম চিহ্নের ত্রুটির কারণে ভাষার উপযুক্ততার অভাব। | উপস্থাপনায় বাক্য গঠন, বানান এবং বিরাম চিহ্নের ত্রুটির কারণে বিষয় অনুযায়ী ভাষা ব্যবহার করতে না পারা। |
| নির্দেশিকা/সময়ানুবর্তিতা অনুসরণ করুন | নির্দেশিকাগুলি কঠোরভাবে মেনে চলা এবং সময়মতো কাজ শেষ করা। | বেশিরভাগ নির্দেশনা অনুসরণ করা এবং সময়মতো কাজ শেষ করা। | খুব কম নির্দেশনা অনুসরণ করে এবং অতিরিক্ত সময় নিয়ে কাজটি সম্পন্ন করা হয়। | নির্দেশিকা অনুসরণ এবং সময়মতো কাজ সম্পূর্ণ করতে ব্যর্থতা। |
| সামগ্রিক উপস্থাপনা | প্রকল্পের সামগ্রিক ছাপ প্রশংসনীয় এবং আকর্ষণীয়। | প্রকল্পের সামগ্রিক প্রভাব মনোযোগ আকর্ষণ করার জন্য যথেষ্ট। | প্রকল্পের সামগ্রিক উপস্থাপনা আকর্ষণীয় করার জন্য সামান্য প্রচেষ্টা করা হয়েছিল। | শিক্ষার্থী সার্বিক উপস্থাপনাকে আকর্ষণীয় করে তোলার কোনো চেষ্টাই করেনি। |

MATHEMATICS

Class – IV

F.M. 20

THEME: My School, My Pride

Through this project, students will be able to:

- revise and apply the concepts of addition, subtraction, multiplication, division, fraction and data interpretation
- apply their creativity and imagination to complete the art work.

Our school, LakshmiPat Singhania Academy is making committed efforts toward disseminating education that not only aims at academic excellence but also helps to develop knowledgeable and socially concerned generations of young Indians. With a judicious blend of academic excellence and co-curricular brilliance, it is a school that 'looks beyond'. The pursuit of academic excellence, exemplary co-curricular activities and winning accolades in different fields, all of it has been a reality in these more than two decades. Our academy's mission is to ignite young minds with Gyanam Amritam, fostering excellence and holistic education.



NAME: _____ Sec: _____ Roll No. _____ IV / UNIT TEST 3/MATHEMATICS/ 2024-25

Let us have some fun with Mathematics based on the facts related to our school.

1. Sums will be given on facts related to school.
2. Sums will be given on facts related to school.
3. The following table shows the number of students in each House of class IV. Based on this information draw a pie chart to make a comparative study of the student strength in different Houses by folding a circle. Data will be provided on the day scheduled for the project. (Note: Data has been modified for the sake of the simplification of the calculation)

| | VAYU | JAL | AGNI | PRITHVI |
|-------|------|-----|------|---------|
| 4A | | | | |
| 4B | | | | |
| 4C | | | | |
| 4D | | | | |
| Total | | | | |

(Hint: Determine the fraction of students in each House. Fold a circular paper plate into 8 equal parts and colour the corresponding fractions House wise.)

4. You have been asked to prepare a budget for the things required by your teachers in the classroom. Create a budget for the same to the administration department for the following items:

(Price list will be provided during the day of the project)

Here is a simple guide to help you get started.

- List the items
- Create a Budget:
 - ❖ Provide a budget template with sections for
 - Item name
 - Quantity
 - Price per item
 - Total cost

5. Every month school has to pay a huge electric bill. Let us now analyse the data given in the form of bar graph in the CESC bill of the school. As a conscious citizen of our country this will help us to understand the need for using electricity judiciously:

Children have to answer the questions based on the bar graph of the electric bill of the school. Data will be provided on the day of the project.

6. In order to calculate all the problems illustrated above you need to have a sound knowledge of multiplication tables. Let us make a multiplication calculator which we will be able to use for quick calculation.

The link for making the calculator is given here for your reference

<https://www.youtube.com/watch?v=UY9Fc5L8cIY>

Materials needed

- A paper plate.
- A cardboard 30 x 40 cm
- A drawing sheet 22 x 32 cm
- Strips of coloured paper to cover the sides of the cardboard
- Two rectangular pieces of paper of size 6 x 36 cm and 6 x 46 cm with rectangular cuts in the middle. .
- Two small pieces of cardboard of sizes 6 cm x 4 cm
- Two arrows.
- Stationery

LEARNING OUTCOME:

At the end of the project, students were able to solve some mathematical problems, develop problem solving skill and revise the concepts of data interpretation and also able to express their feelings for school. Children also revised the concept of fractions and budgeting and gained knowledge about how to make a cost analysis based on the readings of electric bill. This will make them cautious about misuse of electricity.

| | 4 | 3 | 2 | 1 |
|---|---|---|--|--|
| Maths Content | Demonstrates a clear knowledge and application of maths skills. | Demonstrates a general knowledge and application of maths skills. | Demonstrates limited knowledge and application of maths skills. | Demonstrates no knowledge and application of maths skills. |
| Data Interpretation | Is able to read and analyze data and can answer precisely. | Is able to read data but cannot analyze the same to answer precisely. | Shows limited knowledge of reading and analyzing data and answering the questions asked. | Is not able to read and analyze data and answer the questions asked. |
| Art Integration | The concept in the submission is exceptionally creative and well-integrated with art. | The concept in the submission is creative and well-integrated with art. | The concept in the submission shows little creativity and integration with art. | The concept in the submission lacks creativity and integration with art. |
| Content Accuracy and Research | All facts are accurately presented with good research. | All facts are adequately presented with somewhat good research. | All facts are somewhat accurate with few errors in the research work. | All facts are incorrectly presented with no research work done. |
| Individual Participation and Involvement | Very good participation in the project. Helps teammates and provides ideas | Adequate participation in the project. Helps teammates and provides ideas | Little participation and involvement in the project. | Lack of participation and involvement in the project. |

Class – IV
Subject – EVS

FULL MARKS: 20

THEME: MY SCHOOL, MY PRIDE

LEARNING OBJECTIVES

Students will be able to:

- Students will develop a sense of pride, empathy, and responsibility towards their school.
- Students will realize their role in making the school a better and more environmentally conscious place.
- Students will understand the importance of renewable energy (solar panels) and water conservation (rainwater harvesting) in their school.
- Students will apply basic math concepts such as measurement, counting, and data representation to design the model.
- Students will enhance their collaboration and communication skills.
- Students will gain awareness of the role they can play in conserving resources like water and electricity, and how these small steps contribute to a larger impact on the school and environment.
- Students will express creativity in designing models and understanding the engineering concepts behind rainwater harvesting and solar energy systems.
- By linking the project to their own school, students will learn how scientific concepts such as solar energy and rainwater collection can be applied practically in everyday life to benefit their immediate surroundings.
- Experiential learning: By designing models for solar panels and rainwater harvesting systems, students will develop critical thinking and problem-solving skills as they explore how to apply these systems to help their school.

MY SCHOOL, MY PRIDE

"My School, My Pride: Innovating for a Greener Future"



At our school, we believe in taking pride in our environment and doing our part to create a sustainable future. That's why, under the banner of "My School, My Pride," we are introducing exciting innovations to make our school greener and more eco-friendly. We will be installing rainwater harvesting systems to collect and reuse rainwater, reducing our reliance on external water sources. Additionally, we will be harnessing the power of the sun by installing solar panels, allowing our school to generate clean, renewable energy.

But here's where you come in. This isn't just a school initiative—this is your school, and your pride. By introducing these innovations, you, as students, are playing a key role in shaping the future of our school. Together, we are showing how innovation and responsibility go hand in hand. With your involvement, our school will become a model of sustainability, a place where students lead the way in protecting the planet and setting an example for others to follow.

With this project, we are not only taking pride in our school today, but we are also investing in a better, greener tomorrow. Let's work together to make your school, your pride an inspiration for future generations!

You have to raise awareness across the school about the benefits of these systems. You will be leading a campaign to teach your classmates, teachers, and the whole school community about rainwater harvesting and solar energy. This campaign will include everything from designing posters and flyers to giving presentations to help everyone understand why these systems are so important.

The Project is to be done in groups, with the above information and a little research on your own:

A. Groups 1,2 and 3

- You are to design a rainwater harvesting system for your school in an effort to use renewable energy and minimise your school's water bills. For this you can use a Cardboard, white paper, toy flower and trees, paper straws etc to construct the same. You can use your own creativity to improvise and design your own model.

The links for making the model are:

<https://youtu.be/7usF7QyGSbM?si=wVZu2vffzqzG1YoW>

<https://youtu.be/tEKOGS5ueqw?si=CaVhoonauHKiFdJM>

- You have successfully created a rainwater harvesting model. Now, it's time to reflect on the process and your learning. Do some research and answer the following questions in detail, either on a fabriano sheet or on the worksheet. Also, provide a cover page and support your answers with pictures.
 - What is rainwater harvesting?
 - How does your model demonstrate rainwater harvesting?
 - Why is rainwater harvesting important for our school?
 - What challenges did you face while building the model?
 - Advantages and disadvantages of Rainwater Harvesting?
 - If you were the Head Boy or Head Girl of the school, what new innovations would you introduce to improve the sustainability and environment of the school?

B. Groups 4,5 and 6

- You are to create a model of a solar panel using simple household materials in an effort to understand how solar panels work by capturing sunlight and converting it into energy. By using solar panels, we can help our school generate clean and renewable energy from the sun, reducing our dependence on electricity from other sources. You can use your own creativity to improvise and design your own model.

The links for making the model are:

https://youtu.be/xFScMVUOntY?si=xxpx_M72_lvI7EY2

<https://youtu.be/nRT2E1qU-AE>

- You have successfully created a solar panelling model for our school. Now, it's time to reflect on the process and your learning. Do some research and answer the following questions in detail, either on a fabiano sheet or on the worksheet. Also, provide a cover page and support your answers with pictures.
- What is solar energy, and how is it harnessed?
 - How does your solar panelling model help the school?
 - Why is solar energy important for the environment?
 - What challenges did you face while building the model?
 - Advantages and disadvantages of solar energy
 - If you were the Head Boy or Head Girl of the school, what new innovation would you introduce to improve the school's sustainability, apart from solar paneling?*

Let's work together to make our school more eco-friendly!

This is a chance for you to make a real difference—not just in our school, but also in how we think about the environment. You'll get to work as a team, use your creativity, and learn valuable skills along the way.

LEARNING OUTCOME:

At the end of the project students:

- Students should have developed a sense of pride, empathy, and responsibility towards their school, realizing their role in making the school a better and more environmentally conscious place.
- Should know the importance of renewable energy (solar panels) and water conservation (rainwater harvesting) in promoting a sustainable environment in the school.
- Should be able to apply basic math concepts such as measurement, counting, and data representation to design and calculate the components needed for the rainwater harvesting system and solar panel model.
- Should have enhanced their collaboration and communication skills, learning how to divide tasks and work towards a common goal for the benefit of their school.
- Should have gained awareness of the role they can play in conserving resources like water and electricity, and how these small steps contribute to a larger impact on the environment.
- Should be able to express creativity in designing models and understanding the engineering concepts behind rainwater harvesting and solar energy systems.
- Should have learnt how scientific concepts such as solar energy and rainwater collection can be applied practically in everyday life to benefit their school.
- Should have enhanced their critical thinking and problem-solving skills as they explore how to apply these systems to help their school.

RUBRICS

EVS 4 – OPEN BOOK PROJECT – UT3 (2024-2025)

| | 4 | 3 | 2 | 1 |
|---|--|--|---|---|
| Content - Accuracy and understanding of the theme | Demonstrates a comprehensive understanding of rainwater harvesting and solar energy systems. Content is concise, accurate, and well-explained. | Demonstrates a good understanding of the systems. Content is adequately concise and mostly accurate. | Demonstrates limited understanding. Content lacks depth but is somewhat accurate. | Demonstrates little to no understanding. Content lacks accuracy or relevance. |
| Creativity and Originality - Art integration | The project is highly creative, showcasing innovative ideas for improving the school. Excellent integration of art and design elements. | The project is creative and integrates art/design to a good extent. Ideas are well thought out. | Displays some creativity, but ideas and art integration are basic or incomplete. | Lacks creativity and originality. Little or no effort made to integrate art/design. |
| Research Work - Use of technology and media (links provided) | Thorough research with correct use of technology and resources to support project goals. All sources are well-documented. | Adequate research, using suggested media and resources. Sources are mostly well-documented. | Minimal research. Some sources are used, but not all are properly documented. | No research or very little use of resources. Sources are missing or improperly cited. |
| Guidelines followed - Collaboration and Contribution | All project guidelines have been followed meticulously. All team members contributed equally with strong collaboration. | Most guidelines followed. Collaboration among team members was good, with most contributing. | Some guidelines followed, but collaboration was weak. A few members did most of the work. | Guidelines were not followed, and little to no collaboration was evident. |
| Overall Presentation – Layout of the project and oral presentation | Presentation is exceptionally attractive and informative, with clear, engaging visuals and oral explanations. | Presentation is visually appealing and mostly clear, with good use of visuals and oral presentation. | Presentation is somewhat clear, but lacks polish or cohesive visuals. Oral presentation was adequate. | Presentation lacks clarity and visuals. Oral presentation was inadequate. |

Name: _____ Sec: ___ Roll no: ___ IV/Unit Test 1/SSC/2024-25

SUBJECT – SOCIAL SCIENCE

CLASS – IV

FULL MARKS – 20

Instructions:

- The project comprises research work, finding location and logo designing
- Read the instructions carefully and do the research work using the links provided.
- Refer to the links to gather information and write the matter in your own words creatively.
- Stick relevant and colourful pictures downloaded from the internet.
- Make sure your project is neat, creative, and interesting.
- The cover page must be vibrant and attractive.
- It is a group work.

Theme:

MY SCHOOL, MY PRIDE- A SCHOOL FOR A CAUSE!



LEARNING OBJECTIVES:

After the completion of the project students will be able to -

- ✓ know about the life and achievements of the founder of their school.
- ✓ know about the mission, vision and motto of their school.
- ✓ know about the location, address, nearby landmark of their school.
- ✓ know about the different places in the vicinity of their school.
- ✓ design the logo of their school.



"Learning gives creativity, creativity leads to thinking, thinking provides knowledge, and knowledge makes your great."

Hello LSAites...!

You all are proud students of LakshmiPat Singhania Academy. A school, where you are imparted the nectar of life - **KNOWLEDGE THROUGH LEARNING!**

which helps you to become a good human being and achieve your goals in life.

Children, this school is that place, where you engage yourself studying, involving yourself in different activities, making friends, and having fun throughout. Isn't it?

But how much do you know about your school? Aware of its vicinity?

It is time to gear up, update yourself and take care and be proud of your school. But

the **BIG** question is how?

WHAT YOU NEED TO DO:

Design a Brochure about your school giving some details as per the given instructions. Use A4 size papers (coloured / printed) and staple them together.

❖ Cover Page

- Write a catchy title for the brochure on the given theme.
- Paste the school picture
- Draw the logo of your school with the motto.

❖ Page 2-

- Stick/ draw the picture of the founder of your school.
- Name of the founder of your school.
- The year your school was established.
- The two boards to which your school is affiliated/established.
- Write the mission and vision of your school.



❖ Page 3-

- An introduction (2-3 sentences) based on the theme – My School, My Pride
- The history of your school must be based on the following pointers-
 - Brief information (2-3) about the achievements of the founder of the school.
 - 2 best accolades received by the school in this session.
 - Mention about your House division.
 - School council members- Name of the Head Boy and Head Girl- (Senior Council), House captains (Junior Council)

❖ Page 4

- Sister concern of your school and university for higher studies.

❖ Page 5 onwards-

➤ Other information -

- Location of our school -google map (to be taken from the school website)
- Address of your school.
- Nearby landmark to locate your school.
- Popular places of tourist attraction in the vicinity. (any 2)
- Hospitals in the vicinity (any 2)

(Support your entire research work with relevant pictures)

❖ Last page-

- Names of the group members along with their class, section and photographs (passport size) in regular school uniform

USEFUL LINKS FOR RESEARCH WORK

<https://lsakolkata.com>

<https://www.facebook.com/lsakolkata/>

<https://www.instagram.com/lsakolkata/?hl=en>

LEARNING OUTCOMES:

After the completion of the project students were able to -

- ✓ know about the life and achievements of the founder of their school.
- ✓ know about the mission, vision and motto of their school.
- ✓ know about the location, address, nearby landmark of their school.
- ✓ know about the different places in the vicinity of their school.
- ✓ design the logo of their school.

SOCIAL SCIENCE OPEN BOOK PROJECT RUBRIC

| | 4 | 3 | 2 | 1 |
|---|--|---|--|--|
| Content - Accuracy and understanding of the theme | Demonstrates a clear understanding of the theme. The content is concise and accurate. | Demonstrates an adequate understanding of the theme. The content is adequately concise and accurate. | Demonstrates limited understanding of the theme. The content is somewhat accurate. | Demonstrates no understanding of the theme. The content lacks accuracy. |
| Creativity and Originality - Art integration | The submission reflects originality and is exceptionally creative and well-integrated with Art. | The submission reflects originality to some extent and is adequately creative and integrated with Art. | The submission is somewhat creative and displays little integration with Art. Shows little originality. | The submission lacks creativity and integration with Art. Originality is lacking. |
| Research Work – Use of technology and media (links provided) | Accessed suggested media and employed technology exceptionally for research work. | Accessed suggested media and employed technology adequately for research work. | Suggested media was somewhat accessed. Research work was inadequate. | Suggested media was not accessed at all. Research work is lacking. |
| Guidelines followed with timely submission | Guidelines have been strictly followed. The project was submitted on time. | Most of the instructions have been followed. The project was submitted on time. | Followed very few guidelines. The project was submitted beyond time. | Guidelines have not been followed. The project was submitted beyond time. |
| Overall Presentation – Layout of the project | Presentation includes relevant pictures/drawings to support the content. The presentation is exceptionally attractive and appealing in terms of design, layout and neatness. | Pictures used in the presentation support the content to some extent. The presentation is quite attractive in terms of design, layout and neatness. | Pictures are somewhat related to the content. Some attempt has been made to make the presentation somewhat attractive. | Pictures are not related to the content at all. Little or no effort has been made to make the presentation attractive. |

Lakshmipat Singhania Academy

Project Term 2 -2024-2025

Class: IV

Subject: Computer Education

Full Marks: 10

Topic: LSA – A Digitally Empowered School of Kolkata

Learning objective:

- Will be aware of how their own school is digitally equipped.
- Will enhance their research skill to know about the hardware facilities of the school
- Will know more about the software which are being used for the benefit of the students, teachers, and parents also.
- Will help them to get an idea about how their achievements are being shared with the outside world.
- Will be aware of the do's and don'ts in the computer lab of the school.

Learning Outcome:

Students will be able to-

- Know about the unique ATL lab that the school has.
- Learn about the latest hardware available in the ATL lab
- Know about the useful sites which are helpful for parents
- Enhance their research skill to know how their school is equipped with the latest technology.

Introduction:

Lakshmipat Singhania Academy has always placed a great emphasis on providing high-quality education which not only encourages the development of curricular skills but also technical skills through steam activities.

- ✓ The school is among 257 schools in India and the first in Kolkata that had been selected to set up the Atal Tinkering Lab, to promote the culture of innovation and entrepreneurship. This lab helps the students find innovative and creative solutions to problems which may be local or global in nature. It attempts to inculcate “Lets Try Something New”. Students have won many laurels for developing models. The lab has 3D printer which can give a 3D shape to a 2 D model.
- ✓ Every year the school organizes exe.BIT an IT Interschool Competition for classes 3-12 for a span of 3 days with different themes to bring out the budding techie in the Next Gen youngsters.
- ✓ The school is equipped with 3 computer labs with latest configuration machines with original anti virus installed each machine.

To Do:

You will be visiting the ATL lab with your CE teacher as per the convenience of the teacher. Take 2 A4 size Fabiano paper and create a booklet

Decorate the top page with the topic name. Write your name class section at the bottom of the top page.

Page 2: Provide the heading: Visit to ATL Lab of LSA. Write 4 observations of the lab.

Page 3: Provide the heading: Interviewing My parents

Take an interview of your parent / guardian with the following questions:

1. How do they pay your school fees?
2. Which site do they visit to view your report card?
3. Which portion of the above website do they visit to check the daily homework assigned or classwork done?
4. Which site do they browse to check the circulars provided by school?
5. Name the account and the software which helps you to have your online classes?

Page 4: Provide the heading: OUR COMPUTER LAB

Write the answers of the following questions:

Q1: Which operating system is installed in the computers?

Q2. Name some softwares that you use or you have used in your lab.

Q3. Draw a poster rules in the computer lab. (One do's and one Don'ts)

Guidelines:

It is a group project comprising of 4 students. Divide the 4 pages amongst yourself and decide who will do which page number.

Each one will bring 1 coloured A4 size Fabiano sheet to create a booklet. Provide nice border to each page.

Each student has to get one observation of page 2 and will take the interview of 5 questions for your parent/guardian (pg 3). **It is compulsory for all students.**

Resources:

Friends and family members

Isakolkata.com

Marking Scheme Rubrics:

| Criteria | Marks: 2.5 | Marks: 1.5 | Mark: 1 |
|-----------------------------------|---|--|--|
| Content | The content effectively demonstrates adaptability to the topic provided | The content somewhat demonstrates adaptability to the topic provided | The content did not demonstrate any adaptability to the topic provided |
| Research Work | Detailed research work done to generate excellent content | Moderate research work done to generate good content | Limited/ no research work done and copied content from existing source |
| Creativity and presentation Skill | Presented a creative and well formatted authentic presentation. | Was able to demonstrate originality in the project with less creativity. | Was able to portray the theme with minimum creativity. |
| Survey | Gathered effective survey data and represented it in best possible way | Gathered scattered survey data and represented it without any thought process. | No survey data found |