

St. Anthony's Higher Secondary School

3-Cecil Chaudhry (Lawrence) Road, Lahore.

Summer Vacation Homework 2024 Class: Five



Happy Holidays





St. Anthony's High School, 3-Cecil Chaudhary Road Lahore Instructions for summer vacation Homework 2024



- 1. This booklet contains summer vacation homework for 2024.
- **2.** Vacation homework is designed to keep the children usefully engaged connecting the book knowledge with practical life.
- **3.** The work is designed under the following formats:
 - a) Thematic work
 - b) Integrated work
 - c) Projects
- **4.** Parents are requested to support, guide and provide inexpensive material required to complete the work.
- **5.** The work given is to develop skills, innovation and creativity, the work done by anybody except the students will not be checked.
- 6. Parents are requested to help their children learn life skills and promote holistic growth.
- 7. Instructions are provided for both children and parents to guide and support the completion of activities.
- **8.** Vacation work is divided into 5 weeks, kindly follow the sequence and avoid doing all the work within a short period.
- **9.** Students are expected to be engaged for about 50 hours to complete the entire vacation homework.
- **10.** The homework includes activities that suggest visiting parks, zoos, and other educational and recreational locations.
- 11. We hope this exercise will help children and parents to spend some quantity time together, which they miss during the school days and turn the learning into a joyful experience.
- **12.** Please avoid using expensive materials.
- 13. Students Learning Outcomes (SLOs) are mentioned before each activity where necessary.
- **14.** Submit the completed homework on August 6th, 7th, and 8th, 2024.
- 15. Please obtain a receipt from the teacher after submitting the homework.

Happy Holidays



St. Anthony's High School, 3-Cecil Chaudhary Road Lahore

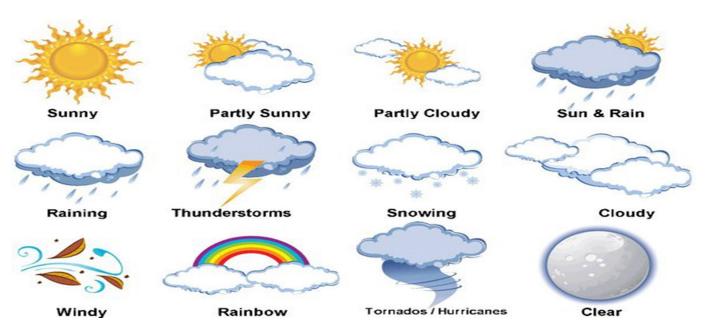
Class-5 GRO



Word Bank

Windy	Cold	Overcast	Canal	Rain	Temperature	Shower	Flood	Chilly
Humidity	Blizzard	Climate	river	Sunny	Fog	Heat wave	Snow	Cloudy

Week no. 1 Theme: Weather



English.

SLOs: Students will be able to improve their thinking and creative writing skills.

Activity 1: Write a paragraph on Weather you liked most. (15 lines)

SLOSs: Learning speaking etiquettes.

Activity 2: Write a dialogue between two friends discussion about the weather in Pakistan these days. (15 dialogues each person)

Mathematics:

SLOs: Students will understand addition and subtraction of integers (Number Sense).

Activity1: A thermometer shows a temperature of 10°C. If it rises by 5°C, what is the new temperature? Show on Number line as well.

Instructions: Add the temperatures and then make a number line starting from 0° and showing the rise by an arrow towards right.

SLOs: Student will able to learn to study about graphs.

Activity2: A bar graph shows the number of cloudy days in a month: 8th, 9th, 10th, 12th, 15th day: 12mm, 15mm, 17mm, 10mm, 8mm rainfall respectively. Make a Bar graph.

Instructions: Write days on horizontal side and rainfall on vertical side.

Science:

SLOs: Students will be able to demonstrate an understanding of how weather affects daily life and make informed decisions based on weather.

Activity 1: "Is climate change a natural phenomenon?" explain?

Activity 2: Write stories or create skits about weather-related events or experiences, such as a stormy adventure or a sunny day at the beach?

Instruction: Create a tornado in a bottle:

- Fill a plastic bottle with water and glitter.
- Have kids swirl the bottle to create a tornado-like effect.

Social studies:

SLOs: Students will be able to explore and discuss about different weathet conditions in Pakistan

Activity 1: Write about he effects of weather on human health (heatwaves, allergies, mental well-being).

Activity 2: By using the internet check what are temperature of different cities of each province and write the reasons why is the temperature different in each city.

Computer:

SLOs: Students will be able to learn MS Word.

Activity 1: Weather Forecast: Write a short weather forecast for a week on MS- word (e.g., "Today will be sunny with a high of 75°F").

Instructions:

Include a picture or symbol to represent the weather condition. Use simple sentences and vocabulary.

SLOs: Understanding Weather condition through presentation

Activity 2 Presentation: Make a presentation on MS PowerPoint to describe each weather condition e.g. sunny, rainy etc. Get pictures from the internet and insert them on MS PowerPoint file

Instructions: There should be 5 to 7 slides 1st one of title and others according to different weather conditions.

Arts:

SLOs: Students, will be able to drawing, observational and creative skills will be enhanced by doing these activities.

Activity: Draw still life objects related to weather like umbrella, rain boots, sunglasses and snowflakes.

اُردو حاصلات تعلیم: طلباء اپنی سوچ اور تخلیقی و تخیریری صلاحیتوں کو بہتر بنا سکیس گے۔ پر ایات: 1 ۔ جو ابی شیٹس پر مار جن لا سئیں لگائیں۔ 2۔ اردو کی لکھائی کے بنیادی اُصولوں کو مد نظر رکھتے ہوئے کام کریں۔ 3۔ والدین سے التماس ہے کہ وہ بچوں کو سوال پڑھنے اور کرنے میں رہنمائی کر سکتے ہیں مگر کھنے میں بچے کی حوصلہ افزائی کریں۔ مرگر می نمبر 1: پاکستان کے موسم کو مد نظر رکھتے ہوئے اللہ تعالی کی عطاکی ہوئی پانچ نعمتوں کے نام اور ان کی ضرورت وا ہمیت کے بارے میں لکھیں۔(کم از کم 100 الفاظ پر مشتمل) مرگر می نمبر 2: (تفہیم) دی ہوئی عبارت کو پڑھ کرینچے دیئے گئے سوالات کے جو ابات ککھیں۔

جس کرہ ارض پر ہم رہتے ہیں، یہاں زندہ رہنے کے لیے اللہ تعالی نے ہمیں تازہ ہوا، ساف پانی، اچھی خوراک کے علاوہ پیڑ، پو دوں اور پُر سکون فضا جیسی نعتوں سے بھی نوازا ہے۔ یہ سب مل کر ہماری زندگی بہت سی بیاریوں اور نا قابلِ نوازا ہے۔ یہ سب مل کر ہماری زندگی بہت سی بیاریوں اور نا قابلِ برداشت تکالیف میں گھر جاتا ہے، لیکن ہم انسان اپنے ہی ہاتھوں سے پیڑ، پو دوں کو کاٹ کر اُن کی جگہ زہر ملی گیسیں پیدا کرنے والے کارخانے اور مشینیں لگارہے ہیں، جو ہماری صحت وزندگی مربُرے ازرات ڈالتے ہیں۔

ماحولیات کے ماہرین کے مطابق کسی بھی ملک کے ایک چوتھائی رقبے پر جنگلات کا ہونا بہت ضروری ہے۔ درخت ہمیں آئسیجن فراہم کرتے ہیں۔ اسکے علاوہ گندی ہوا کو اپنے اندر جزب کرکے ماحول کوخوشگوار بناتے ہیں۔ درختوں کی کٹائی سے ماحول میں کثیف مادوں کی زیادتی ہو جاتی ہے ، جس سے ماحول آلو دہ ہو جاتا ہے اور مُضربیاریوں کا سبب بنتا ہے۔ اِن بُرے اثرات سے بیچنے کے لیے ضروری ہے کہ ہم زیادہ سے زیادہ درخت لگائیں اور اپنے اِردگر دکے ماحول کوصاف رکھیں۔ ہم زمہ داری کا مظاہرہ کرکے کے کرہ ارض کو ٹرسکون اور محفوظ بناسکتے ہیں۔

1: ماحول کی آلودگی کی کوئی سی دووجوہات بتائیں۔ 2:صحت وزندگی پربُر ہے انژات کس وجہ سے پڑر ہے ہیں 3: کسی ملک میں در ختوں کی تعداد کتنی ہونی چاہیئے 4: در ختوں کے کوئی سے دو فائد بے بتائیں ؟ حاصلت ِ تعلم: طلباءاس قابل ہو جائیں گے کہ جملہ سازی کر سکیں گے۔

<u>اسلامیات</u> حاصلات تعلیم: طلبا کوالله کی شکر گزار بنانا۔

سر گرمی: موسم الله تعالٰی کی طرف سے ایک نعمت اور اس پر الله کاشکر کیسے ادا کیا جائے پر نوٹ لکھیں۔ کم از کم دس جملوں پر مبنی نوٹ لکھیں۔ Week no. 2

Theme: Weather

English:

SLOs: Students will be able to improve their vocabulary and observing, thinking and writing skills.

Activity 1: Write the meanings of the given 20 words and use them in your own sentences.

Precipitation, Blizzard, Forecast, Humidity, Barometer, Windy, Temperature, Tornado, Cyclone, Drought, Thunder, Flood, Foggy, Evaporation, Hurricane, Dew, Rainfall, Snowfall, Hailstorm, Sunshine

Activity 2: Find out 5 nouns (e.g. wind, rain, sun etc.) and 5 adjectives (e.g. sunny, very hot etc.) on topic: "weather" and use them in sentences.

Mathematics:

SLOs: Students learn about speedometer and to understand the statement of real-life word problems.

Activity1: A wind speedometer shows an average wind speed of 20 km/h. If a storm lasts for 3 hours, how far will the wind travel?

Instruction: Apply multiplication to solve real-world problem.

SLOs: Calculating Percentages help in finding discounts, increment, dropdown etc.

Activity2: A city has an average annual snowfall of 30 inches. If it has already received 15 inches, what percentage of the average has it received?

Instruction: Use formula of percentage to solve this: %age =Received/total ×100

Science:

SLOs: Students will be able to understand various weather-related concepts, such as cloud formation, precipitation, wind, and solar energy, while developing their scientific inquiry and critical thinking skills.

Activity 1: Make a Solar Oven:

- Use a pizza box, aluminum foil, and plastic wrap to create a solar oven.
- Test its ability to cook small items using sunlight.

Activity 2: Make a Lightning Detector:

- Use a small LED light, battery, and wire to create a simple lightning detector.
- Test its ability to detect electrical charges.

Social Studies:

SLOs: Students will be able to explain the different types of weather, their causes, and their effects on human activities and the environment.

Activity 1: How different cultures in Pakistan adapt to and celebrate various weather conditions. For example, how do people in Karachi prepare for monsoon season versus those in Lahore?

Activity 2: The impact of weather on health in Pakistan, including heat-related illnesses, waterborne diseases, and respiratory issues.

Instructions: 1. Explain the different types of weather (sunny, cloudy, rainy, snowy, and windy).

2. Use diagrams and charts to show the characteristics of each type.

Computer:

SLOs: Students will be able to use MS paint.

Activity 1: Draw your favorite Weather scenery on MS Paint and fill it colors.

SLOs: Students will be able to learn MS Excel.

Activity 2: Weather Chart

- 1. Create a chart on MS Excel with columns for date, temperature, and weather conditions (sunny, cloudy, and rainy).
- 2. Fill in the chart with data for a week.

Arts:

SLOs: Students, will be able to drawing, observational and creative skills will be enhanced by doing these activities.

Activity # 1 create a weather journal where sketch or paint a picture of weather outside each day for a week.

<u>اُردو</u> بدایات: 1-جوابی شیٹس پرمار جن لا سَنیں لگائیں۔

2۔ار دو کی لکھائی کے بنیادی اُصولوں کو مد نظر رکھتے ہوئے کام کریں۔

3۔ والدین سے التماس ہے کہ وہ بچوں کوسوال پڑھنے اور کرنے میں رہنمائی کرسکتے ہیں مگر کھنے میں بیچے کی حوصلہ افزائی کریں۔

حاصلات تعلیم: اینے ذخیر والفاظ اور مشاہدہ کرنے، سوینے اور کھنے کی صلاحیت کو بہتر بناسکیں گے۔

سر گرمی نمبر 1: دیئے گئے الفاظ کواپنے جملوں میں استعال کریں۔

بارش، بر فانی ظوفان، پیشن گوئی، نمی، د هوپ، آند هی، در جه حرارت، طوفان، گرج، سیلاب، ژاله باری، بهار، سر دی اوس، د هند

سر گرمی نمبر2: ایک چارٹ یاجدول بنائیں اور اگلے 10 دنوں کے لاہور کے موسم کوریکارڈ کریں۔

اسلامیات حاصلات تعلیم: الله تعالٰی سے مد دمانگنے کاطریقه سکھانا۔

س**ر گرمی:** موسم کے مطابق تین دعائیں بمعنی ترجمہ لکھیں اور یاد کریں۔مثلاً بارش کے وقت کی دعا۔ کثرت بارش سے بیجنے کی دعاوغیر ہ۔

Theme: Internet



English

SLOs: Students knowledge will be enhanced by exploring different things about internet. Reading and writing skills will be enhanced.

Activity1: Read the paragraph and answer the questions.

Once upon a time, not too long ago, people relied on encyclopedias and libraries to find information. But today, we have a powerful tool called the Internet. The Internet is like a huge library that contains almost everything you can imagine! It's a network of computers all over the world connected.

Comprehension Questions:

- Q1. What is the Internet?
- Q2. How is the Internet like a library?
- Q3. What did people use before the Internet to find information?
- Q4. How does the Internet connect computers around the world?
- Q5. Can you think of an example of something you can find on the Internet?

Activity 2: Write an application to your principal informing him about the poor internet connection.

Mathematics:

SLOs: Convert between units and understand the relationship between bits and bytes (Unit Conversion and Data Representation).

Activity1: An internet service provider offers a speed of 100 Mbps (megabits per second). How many bytes can be downloaded in 1 second (1 byte = 8 bits)?

Instruction: Use division method

SLOs: Student will able to apply discount in real life.

Activity2: An online shopping website offers a discount of 20% on all purchases made online. If a product costs Rs.70000, how much will you pay after the discount?

Instruction: Apply percentage formula and subtract the discount value from total price afterwards.

Science:

SLOs: Students will be able to explain the impact of internet use on the human brain and body.

Activity 1: "Internet and Brain Poster"

Instructions: Create a poster that illustrates the impact of internet use on the brain.

Include images, diagrams, and short descriptions to show how internet use can affect brain function, mental health, and cognitive development.

SLOs: Students will be able to identify and describe the potential risks and benefits of internet use on

Activity 2:"Internet and Human Body Research"

Instructions: Search online for credible sources (e.g. scientific articles, health websites) that discuss the impact of internet use on human health. Write a short paragraph (10 lines) summarizing the key points and findings.

Social Studies:

SLOs: Identify basic internet safety rules.

Activity 1: Create a colourful poster about internet safety rules and tips.

SLOs: Identify internet safety vocabulary.

Activity 2: Create a word search with internet safety vocabulary.

Computer:

SLOs: Students will be able to learn internet and its uses.

Activity 1: What is the use of internet globally?

Instructions: A student should find and make beautiful list of uses of internet and draw flow chat of it.

SLOs: Students will be able to learn which devices are available to connect with internet.

Activity 2: Use MS paint and draw the devices which are available to connect with internet.

Instructions: Students make a sketch of their favorite internet device on a chat paper.

Arts:

SLOs: Students will demonstrate digital literacy skills by selecting and arranging digital images to convey their understanding of the internet.

Activity: Digital Collage Creation.

Instructions: Please take help from the internet to collect images and use digital tools like collage-making apps or software to create a collage that represents their interpretation of the internet.

Students will learn to collect digital images representing different aspects of the internet (e.g., websites, social media icons, search engines). They will use digital tools to create a collage depicting their interpretation of the internet.

Week no.4

Theme: Internet

English:

SLOs: Students will be able to improve their vocabulary and writing skills.

Activity 1: Write an essay on advantages and disadvantages of internet. (15 lines)

Activity 2: Write a letter to your father request him to send you money for internet connection for your educational development.

Mathematics:

SLOs: Revision of fraction.

Activity1: A mobile plan offers 2 GB of data per month. If a user consumes 1/2 of the data in 2 weeks, how much data is left for the remaining 2 weeks?

Instruction: Each month has 4 weeks, use multiplication rule for remaining data.

SLOs: The student will revise the addition of fraction.

Activity2: A webpage takes 5 seconds to load on a broadband connection. If the connection speed is increased by 3/5, how long will it take to load the webpage now?

Instructions: Use addition of fraction method and take help from internet where needed.

Science:

SLOs: Students will be able to explain the impact of internet use on the human brain and body.

Activity 1: Make a project on "working of the internet "using wires, batteries, etc.

Instructions: 1. Connect the wires to the batteries and bulbs.

- 2. Place the switch in the middle of the wires.
- 3. Put the entire setup in the cardboard or plastic box.
- 4. Explain how this simple circuit works like the internet:

SLOs: Students will be able to explain the positive and negative impacts of social media on human lives.

Activity 2: Write the impact of social media on human lives 10 lines.

Instructions: Write 10 lines on how social media affects human lives, considering both positive and negative impacts. Use simple language and concise sentences.

Social Studies

SLOs: Explain how the internet connects people worldwide.

Activity: Research about global connections and write 5 lines about it.

SLOs: Demonstrate responsible digital citizenship.

Activity: Design a badge or logo representing digital citizenship.

Computer:

SLOs: Students will be able to demonstrate responsible behavior when using the internet and computers.

Activity 1: "Computer Hardware Exploration"

Instructions: Explain the function of each component. Discuss the importance of each component and how they work together.

SLOs: Students will be able to identify and explain the different components of a computer and their functions.

Activity 2: "Internet Safety Poster"

Instructions: Prepare the posters for the classroom or school hallway.

أردو حاصلات تعلیم: طلباءا پنے ذخیر ہ الفاظ اور لکھنے کی مہارت کو بہتر بناسکیں گے۔ ہدایات: 1۔جو ابی شیٹس پر مار جن لا ئنیں لگائیں۔ 2۔ اردو کی لکھائی کے بنیادی اُصولوں کو مد نظر رکھتے ہوئے کام کریں۔ 3۔ والدین سے التماس ہے کہ وہ بچوں کو سوال پڑھنے اور کرنے میں رہنمائی کر سکتے ہیں مگر لکھنے میں بچے کی حوصلہ افزائی کریں۔ سرگرمی نمبر1: اپنے والد صاحب کوایک خط لکھ کران سے درخواست کریں کہ وہ آپ کی تعلیمی ترقی کے لیے انٹرنیٹ کنکشن کے لیےرقم بھیجیں۔ سرگرمی نمبر2: انٹرنیٹ کے فوائداور نقصانات کو مدِ نظر رکھتے ہوئے (کم از کم 100 الفاظ) پر مشتمل ایک "مضمون" لکھیں۔

اسلامیات

سر گرمی: مختلف خیر اتی تنظیموں کی ویب سائٹس پر جاکر آن لائن صدقہ دیں اور مختلف فلاحی پر وجیکٹس میں حصہ لیں۔ یہ تنظیمیں شفافیت کے ساتھ کام کرتی ہیں اور آپ کی امداد مستحق لو گوں تک پہنچاتی ہیں۔

Arts

SLOs: Students will demonstrate an understanding of internet safety concepts and effectively communicate them through visual art.

Activity: Internet Safety Poster Design

Instructions: Take help from the internet about internet safety rules and risks and then create posters illustrating these rules and tips using both traditional art supplies and digital tools.

Students will research and learn the importance of internet safety. They will create posters using both traditional art supplies and digital tools, illustrating tips for staying safe online.

Week no.5

Theme: Internet

English:

SLOs: Students creative writing skills will be enhanced and they will be able to learn about machines of different types and their importance in our daily life.

Activity 1. Write an imaginary poem on topic: "Internet" by using the word bank given below. Link, sink, pink, ink, think, blink, drink, and stink.

Activity 2 Choose your favorite internet service provider network and write a short paragraph about it and underline the nouns, pronouns adjectives, verbs, adverbs. (5 lines at least)

Mathematics:

SLOs: Convert between units (Unit Conversion and internet data Representation).

Activity1: An internet plan costs \$50 per month for 500 GB of data. How much will it cost for 1 TB (1 TB = 1000 GB) of data?

Instruction: Use division rule.

SLOs: Student will able to solve real life statements.

Activity 2: A website has 5000 pages and each page has an average of 10 links. How many links are there in total on the website?

Instructions: Use multiplication

Science:

SLOs: Students will be able to explain the impact of social media.

Activity 1: Make a chart on "how the use of social media affects your eyesight or family life or other important factors."

Instructions: - Large chart paper or whiteboard

- Markers or colored pencils
- Ruler or straightedge
- Printed copies of social media logos (e.g., Facebook, Instagram, Twitter)

SLOs: Students will be able to identify responsible social media behavior.

Activity 2: Social Media Impact Chart"

Social Studies:

SLOs: Students will be able to understand about the mass media through internet.

Activity: Make a list of 5 social apps with the help of internet paste the pictures and write few lines about each.

Computer:

SLOs: Students will be able to identify the benefits and risks of using the internet.

Activity 1: "Internet Model"

Instructions: -Use recycled materials or everyday objects to make the model more relatable.

- Include additional components, like cyberbullying or online safety, to make the model more comprehensive.

Activity2: On a broadband connection, loading a webpage takes 5 seconds. How long will it take to load the homepage currently if the connection speed is improved by 3/5?

Instructions: Apply the fraction addition method and, if necessary, seek online assistance.

أردو

حاصلات تعلیم: طلباء کی تخلیقی و تحریری صلاحیتوں میں اضافہ کیا جائے گا اور وہ مختلف قسم کی مشینوں اور ہماری روز مر ہ کی زندگی میں ان کی اہمیت کے بارے میں جان سکیں گے۔

بدایات: 1 -جوانی شیٹس پر مار جن لا سنیں لگائیں۔

2۔ اردوکی لکھائی کے بنیادی اُصولوں کو مد نظر رکھتے ہوئے کام کریں۔

3۔والدین سے التماس ہے کہ وہ بچوں کوسوال پڑھنے اور کرنے میں رہنمائی کرسکتے ہیں مگر لکھنے میں بیچے کی حوصلہ افزائی کریں۔

سر گرمی 1: درج ذیل انٹرنیٹ کی مد د سے اپنے پیندیدہ روبوٹ کے بارے میں ایک خیالی مُہم جوئی کی "کہانی" کھیں۔

سر گرمی نمبر2: انٹرنیٹ کی مدوسے اپنی پیندیدہ مشین کا انتخاب کریں اور اس کے بارے میں (50 الفاظ) پر مشتمل ایک پیرا گراف کھیں۔

اسی پیراگراف میں سے (اسم، فعل، حرف) کو خط کشیدہ کریں۔

سلاميات

حاصلات تعلیم: نماز اور دیگر احکامات کی یابندی کرنا۔

سر گر**ی:** مختلف اسلامی امییں استعال کریں جو نماز کے او قات،اذ کار، دعائیں، اور دیگر دینی امور میں معاونت فراہم کرتی ہیں۔ان امییں کے ذریعے آپ اپنی روز مرہ دنی زندگی کو بہتر طریقے سے منظم کر سکتے ہیں۔

Arts:

SLOs: Learning to make a booklet

Activity: Use the following link to make a type of booklet about topic internet:

https://youtu.be/f75Egoukbhg?si=y8ZvSRgvKM5jnZSG.