



SUMMER HOLIDAY ASSIGNMENT-2023-24

Grade 10 ABC



"Summer is the time when fun never ends, and adventures are just around the corner!"

"In the summertime, every day is a new opportunity for laughter and play."

"Let the sunshine fill your heart and the warmth of summer embrace your spirit."

"Summer is a time for bare feet, ice cream treats, and endless giggles."

"Jump into summer with a splash of excitement and a bucket full of joy!"

"As the sun shines brightly, let your imagination soar to new heights."

"Summer is the perfect time to chase butterflies and catch fireflies."

"In the summer, friendships bloom like colourful flowers in a beautiful garden."

"Embrace the magic of summer, where days are long, and dreams are big."

"Summer is a symphony of laughter, sunshine, and happy memories."



Art integrated projects can provide a wonderful opportunity to explore the cultural heritage and natural beauty of Andaman and Nicobar islands while incorporating creativity and artistic expression. Here's a project idea that connects art with Andaman Nicobar and Lakshadweep for grade 10

Objective: The objective of this project is to explore the cultural and natural aspects of Andaman Nicobar and Lakshadweep islands through various art forms, such as painting, sketching, photography, or mixed media.

Research: Begin by conducting research on the history, culture, and biodiversity of Andaman Nicobar islands. Explore the indigenous tribes, local festivals, flora, fauna, and famous landmarks of the region. Gather information from books, online resources, documentaries, and local sources.

Selection of Art Form: Choose an art form that best suits your interests and skills. It could be painting, sketching, photography, or a combination of different mediums. Consider how your chosen art form can effectively capture the essence of Andaman Nicobar.

Subject Selection: Decide on specific subjects that represent the unique aspects of Andaman Nicobar. It could be the traditional dance forms, tribal art, marine life, coral reefs, historical monuments, or landscapes. Select subjects that inspire you and align with your chosen art form.

Artistic Exploration: Experiment with different techniques, styles, and mediums within your chosen art form. Explore various color palettes, textures, and composition techniques to bring out the essence of Andaman Nicobar in your artwork. Pay attention to details and try to capture the spirit and emotions associated with your chosen subjects.

Artistic Showcase: Organize an art exhibition or presentation to showcase your artwork to peers, teachers, and the wider school community. Use this opportunity to share your knowledge about Andaman Nicobar and the inspiration behind your art pieces.

Reflection and Documentation: Reflect on your experience throughout the project. Document your research, artistic process, challenges faced, and lessons learned. Create a portfolio or journal that captures your journey and highlights the connections between art and the cultural heritage of Andaman Nicobar.



As we approach the summer break, I want to take a moment to introduce your summer holiday homework. While the summer holidays are a time for relaxation and enjoyment, it is also an opportunity to reinforce and extend your learning outside the classroom. The holiday homework is designed to provide you with engaging activities that will enhance your skills and knowledge in various subjects. The purpose of the holiday homework is to encourage independent learning, creativity, and critical thinking. It offers you the chance to explore topics of interest, develop new skills, and review concepts learned during the academic year. The holiday homework will be a combination of different tasks, such as reading assignments, writing exercises, problem-solving activities, research projects, and practical experiments. You will have the freedom to choose the order in which you complete the tasks and manage your time accordingly. Remember that the holiday homework is not meant to be a burden or source of stress. It is an opportunity for you to pursue your interests, expand your knowledge, and develop important skills. Take this chance to explore subjects that intrigue you, discover new hobbies, or engage in community service activities that can make a positive impact. Remember that the holiday homework is not meant to be a burden or source of stress. It is an opportunity for you to pursue your interests, expand your knowledge, and develop important skills. Take this chance to explore subjects that intrigue you, discover new hobbies, or engage in community service activities that can make a positive impact.

Class	English	Science	Social	Mathematics
10A	Rashid	Farhaan	Shees	Mir
	Jasim	Aditya Raj	Cyrus	Jeffry
	Ewin	Mohd Saad	Ali Ansari	Shaikh
	Syed Kaif	Arnav	Abdul Rahman	Thommah
	Aditya Sham	Eden	Haneez	Johan
	Ali Amir	Joseph	Ahmed	James
	Shakib			

Class	English	Science	Social	Mathematics
10B	NEHA RAKESH	Atmikha	Aisha Sheik	Hannah Ani
	Dhuua Abdul	Joanna	Sabreen Ahamed	Kamya
	Arin Mony	Sumaiyya	Leena Mariyam	Jiya Joshi
	Sweety Shreya	Thanmaya	HAFSAH IMTHIAZ	Navmi Navin
	Zainab Shaheen	Mathiha	Mehreen Sultana	Mercia Riva

Class	English	Science	Social	Mathematics
10C	Johan	Helen	Diya	Rashid
	Fadhil	Haritha	Andrea	Sai
	Nevin	Riyasree	HEBA	Jaiden
	Tejas	Nivedya	BASMI	Mishaal
	Araj	Angelina	Melissa	NAEEM
	Akshay	Akshaya	Agnes	Aibel
	Hadi	Praise	Hrishna	



**Student
allocation**

English

Art Integrated Project

Title: Exploring Lakshadweep and Andaman and Nicobar Islands



Objectives:

1. Develop reading, writing and ICT Skills.
2. Enhance one's vocabulary and research aptitude.
3. Encourage Life skills

Andaman and Nicobar Islands and Lakshadweep are often pitched against each other since they exhibit similar forms of scenic beauty and landscapes around. Andaman and Nicobar Islands and Lakshadweep of India are considered to be the major groups of islands lying in the Bay of Bengal and in the Arabian Sea.

Research:

- a) Research on Lakshadweep and Andaman and Nicobar Islands, focusing on their Culture and Heritage
- b. Gather information on these two islands including their unique features

TASK 1

Create a travelogue in the form of a video to highlight the culture, heritage, tradition, people, religion and other aspects of these two islands.

Assessment:

Students' assignment will be assessed based on the following criteria:

- Depth of research
- Accuracy of information
- Creativity and visual appeal
- Clarity and organization
- Coherence of the presentation.

TASK 2

Class magazine:

Students will contribute to the Class Magazine in the form of articles, poems, plays, short stories, amazing facts, research works, comic strips, crossword puzzles etc. It will be compiled after the vacation.

TASK 3

“Reading is essential for those who seek to rise above the ordinary.” - Jim Rohn

In the light of this read any one of the book listed below and write a review on the same.

- i) ‘A Tiger Comes to Town’ by R.K Narayan
- ii) ‘A Scandal in Bohemia’ by Arthur Conan Doyle
- iii) ‘The Stolen Bacillus’ by H.G. Wells
- iv) ‘The Confession’ by Anton Chekhov
- v) ‘The Invisible Man’ by H.G Wells

Investigatory Project

Connecting chemistry with the culture and heritage of the Andaman and Nicobar Islands and Lakshadweep can be a fascinating way to explore the intersection of science and local traditions.



Objectives

- ❖ **Traditional Medicine and Herbal Remedies:** Investigate the traditional medicinal practices of the indigenous communities in the Andaman and Nicobar Islands and Lakshadweep. Explore the use of local plants and herbs in traditional medicine and study the chemical compounds present in these plants. You can analyze their properties, such as antimicrobial or antioxidant effects, and investigate the scientific basis behind their healing properties.
- ❖ **Natural Dyes:** Many indigenous communities in the Andaman and Nicobar Islands and Lakshadweep have a rich history of using natural dyes extracted from local plants to color textiles and crafts. Research the chemistry behind natural dyes and investigate the different plant sources and chemical processes involved. You can even experiment with extracting dyes from local plants and apply them to fabric or paper.
- ❖ **Traditional Food Preservation:** Look into traditional food preservation techniques used in the islands, such as sun drying, smoking, fermentation, or pickling. Explore the scientific principles behind these methods, including the role of chemical reactions, enzymes, and microorganisms in food preservation. Analyze the chemical changes that occur during these processes and their impact on food safety and shelf life.
- ❖ **Coral Reefs and Ocean Chemistry:** The Andaman and Nicobar Islands and Lakshadweep are known for their stunning coral reefs and marine biodiversity. Study the chemistry of coral reefs, including the formation of calcium carbonate structures and the role of ocean chemistry in coral health. Explore the impact of pollution, climate change, and human activities on coral reefs and the marine ecosystem.
- ❖ **Traditional Craftsmanship and Chemistry:** Investigate traditional craftsmanship in the Andaman and Nicobar Islands and Lakshadweep, such as boat building, wood carving, or pottery. Explore the chemistry behind the materials used, including natural resins, adhesives, pigments, and glazes. Analyze the chemical processes involved in these crafts, such as curing, polymerization, or oxidation reactions.

SCIENCE Connect to Physics, Chemistry and Biology

RUBRICS	Marks
Develop research skills	2
Apply theoretical knowledge	2
Analyze and interpret data	2
Communicate findings	2
Critical thinking skills	2

GuideLines to be followed

- **Conduct a literature review:** Before starting your research, conduct a thorough literature review to understand the existing knowledge and research in your chosen area. Identify gaps in knowledge that your project aims to address.
- **Define the research objective:** Clearly define the objective of your investigatory project. What do you intend to investigate or achieve? Ensure the objective is specific, measurable, achievable, relevant, and time-bound (SMART).
- **Formulate research questions or hypotheses:** Based on your literature review and research objective, develop specific research questions or hypotheses that you will investigate in your project. These questions or hypotheses will guide your research design and data analysis.
- **Plan your research design:** Determine the methodology and experimental design for your project. Specify the variables, controls, and methods you will use to collect data. Consider factors such as sample size, data collection tools, and experimental procedures. Collect and analyze data
- **Collect and analyze data:** Follow your research design and collect data systematically. Ensure you document all relevant observations, measurements, and procedures. Use appropriate statistical or qualitative analysis methods to analyze your data.
- **Interpret and discuss results:** Interpret your findings in the context of your research questions or hypotheses. Discuss the implications of your results and compare them with existing knowledge. Address any limitations or potential sources of error.
- **Draw conclusions:** Based on your analysis and discussion, draw conclusions that are supported by your data. Highlight the significance of your findings and their contribution to the field of study.
- **Reflect and evaluate:** Reflect on your research process, including the strengths and limitations of your project. Evaluate the validity and reliability of your results. Identify areas for improvement and propose future research directions.

Heritage & Culture in Andaman & Nicobar Islands and Lakshadweep

Objectives

- Investigate the mathematical concepts of areas related to circles, surface areas and volumes.
- Identify traditional handicrafts in the Andaman and Nicobar Islands that can incorporate these mathematical concepts.
- Design and create handicraft prototypes using mathematical principles.
- Analyze the impact of mathematical integration on the aesthetic appeal and accuracy of the handicrafts.
- Promote the preservation and innovation of traditional handicrafts in the region.

Methodology:

- ❖ **Research:** Conduct thorough research on mathematical concepts related to areas, surface areas, and volumes. Familiarize yourself with traditional handicrafts from the Andaman and Nicobar Islands.
- ❖ **Identify Handicrafts:** Explore traditional handicrafts such as wood carving, shell crafting, basket weaving, and textile art.
- ❖ **Determine which crafts can benefit from mathematical integration.**
- ❖ **Mathematical Design:** Develop mathematical models and calculations to incorporate areas related to circles, surface areas, and volumes into the chosen handicrafts. Consider how mathematical principles can enhance symmetry, proportions, and intricate patterns.
- ❖ **Documentation:** Document the research, design process, and outcomes with photographs, sketches, and written descriptions.



Mathematics

RUBRICS

- Research - 3 Marks
- Presentation - 3 Marks
- Originality - 2 Marks
- Timely submission - 2 Marks
- Date of submission: 04 - 09 -

Guidelines

- Design the cover page.
- Research work must be handwritten on A4 size paper.
- Your work should be attractive and colorful with related pictures.



Mathematics

Reference links:

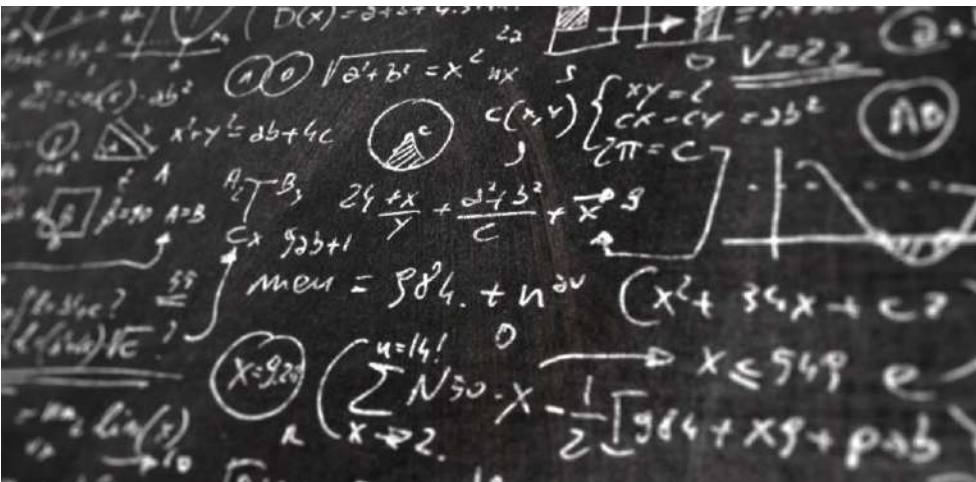
<https://www.andaman.gov.in/page4.html>

Surface Area and Volume:

<https://www.mathsisfun.com/geometry/surface-area.html>

Handicrafts of Andaman and Nicobar Islands:

<https://www.craftsofindia.com/states/andaman-and-nicobar-islands>





S,No	Aspects	Marks
a	Content accuracy, originality and analysis	2
b	Presentation and creativity	2
c	Viva Voce	1

Topic: Every student has to compulsorily undertake any one project on the following topics:

- **Consumer Awareness** (Concepts are clearly explained in chapter 5)
- **Social Issues**
- **Sustainable Development**

Objective: The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme and see all the Social Science disciplines from interdisciplinary perspective. It should also help in enhancing the Life Skills of the students.

If required, students may go out for collecting data and use different primary and secondary resources to prepare the project. If possible, different forms of art may be integrated in the project work.

3. The distribution of marks over different aspects relating to Project Work is as in the given RUBRICS

4.. A Summary Report should be prepared highlighting:

- Objectives realized through individual work and group interactions;
- Innovative ideas generated in the process;
- List of questions asked in viva voce.

5.. It is to be noted here by all the teachers and students that the projects and models prepared should be made from eco-friendly products without incurring too much expenditure.

6. The Project Report should be handwritten by the students themselves.

7. Records pertaining to projects (internal assessment) of the students will be maintained for a period of three months from the date of declaration of result

Presentation of the Project Work

Expected Checklist: ☐ Introduction of topic/title ☐ Identifying the causes, consequences and/or remedies ☐ various stakeholders and effect on each of them ☐ Advantages and disadvantages of situations or issues identified ☐ Short-term and long-term implications of strategies suggested in the course of Research ☐ Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file ☐ Presentation and writing that is succinct and coherent in project file ☐ Citation of the materials referred to, in the file in footnotes, resources section, Bibliography etc.

Mode of submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. The questions should be asked from the Research Work/ Project File of the learner.

The Internal Examiner should ensure that the study submitted by the learner is his/her own original work. In case of any doubt, authenticity should be checked and verified.

Topic: - "History and culture of Andaman and Nicobar(History)"



History

Project Description: History

In this art integration project, students will explore the history, culture, art and handicrafts and food of the Andaman and Nicobar islands. It also highlight the places to visit in the Andaman.

LEARNING OBJECTIVE:-

To document and preserve the historical aspects of the Andaman and Nicobar Islands.

To explore and document the diverse cultures and traditions of the Andaman and Nicobar Islands.

To contribute to the promotion of tourism in the Andaman and Nicobar Islands by showcasing their rich history and vibrant culture.

FRENCH



Art Integration Project for Grade 10-Lakshwadeep, Andaman and Nicobar Islands

Grade 10 - Culture and Heritage

Préparez un PPT ou une vidéo sur la culture et les traditions des îles Lakshadweep et Andaman et Nicobar.

A serene landscape photograph of a misty forest. Sunlight rays (crepuscular rays) are visible, streaming through the dense canopy of trees. The foreground is filled with the silhouettes of fern fronds, some in sharp focus and others blurred. The overall atmosphere is ethereal and peaceful, with a soft, golden light from the sun positioned behind the trees in the background.

Malayalam

ലക്ഷദ്വീപ്, ആൻഡമാൻ നിക്കോബാർ ദ്വീപുകൾ എന്നിവിടങ്ങളിലെ സംസ്കാരത്തെയും പാരമ്പര്യ രീതികളെയും കുറിച്ച് ഒരു പി. പി.ടി/ വീഡിയോ മുറവി നിർമ്മിക്കുക .



HINDI

अंदमान और निकोबार द्वीप समूह तथा लक्षद्वीप के लोक गीत, नृत्य व कला पर एक परियोजना तैयार कीजिए.



कला समेकित अधिगम के उद्देश्य

प्रत्येक बच्चे के सक्रिय भागीदारी को बढ़ावा देना .

सामाजिक कौशलों के विकास को बढ़ावा देना .

भावात्मक अभिव्यक्ति और स्थिरता को बढ़ावा देना .

Arabic

كتب عمر رسالة إلكترونية إلى صديقه مصطفى في القدس.
اقرأ الرسالة بعناية ثم أجب بوضع إشارة (✓) في المربع المناسب.

To: Moustafa@network.com

Subject: الطقس

عزيزي مصطفى،

كيف الجو عندكم في القدس؟ في المدينة التي أسكن فيها كان الجو بارداً جداً وغائماً الثلاثاء الماضي.
تجمعت الغيوم في السماء، ثم نزلت أمطار خفيفة على الأرض. بعد نصف ساعة ظهرت أشعة الشمس من
خلال الغيوم.

لو تعرف يا مصطفى كم كانت الطبيعة جميلة عندما نظرت إلى السماء! ظهر قوس قزح بألوانه الجميلة:
الأحمر والبرتقالي والأصفر والأخضر والأزرق والنيلي والبنفسجي.

لبست المعطف والقبعة ثم خرجت مع ابني الصغير إلى الحديقة لرؤية القوس وتمنيت أن تكون معنا لترى
منظره الجميل.

مع تحياتي،

عمر



كتب عمر رسالة إلكترونية إلى صديقه مصطفى في القدس.
اقرأ الرسالة بعناية ثم أجب بوضع إشارة (✓) في المربع المناسب.

To: Moustafa@network.com

Subject: الطقس

عزيزي مصطفى،

كيف الجو عندكم في القدس؟ في المدينة التي أسكن فيها كان الجو بارداً جداً وغائماً الثلاثاء الماضي.
تجمعت الغيوم في السماء، ثم نزلت أمطار خفيفة على الأرض. بعد نصف ساعة ظهرت أشعة الشمس من
خلال الغيوم.

لو تعرف يا مصطفى كم كانت الطبيعة جميلة عندما نظرت إلى السماء! ظهر قوس قزح بألوانه الجميلة:
الأحمر والبرتقالي والأصفر والأخضر والأزرق والنيلي والبنفسجي.

لبست المعطف والقبعة ثم خرجت مع ابني الصغير إلى الحديقة لرؤية القوس وتمنيت أن تكون معنا لترى
منظره الجميل.

مع تحياتي،

عمر

خرج عمر مع إلى الحديقة.

A		والدته
B		ولده
C		أبيه

كان الطقس عند عمر الشتاء الماضي

A		حاراً.
B		بارداً.
C		جافاً.

نزلت أمطار على الأرض.

A		قليلة
B		كثيرة
C		مستمرة

رأى عمر في السماء.

A		طائرة
B		القمر
C		قوس قزح

لبس عمر

A		قبعة وسترة.
B		قبعة وقميص.
C		قبعة ومعطف.

اقرأ النص التالي بعناية ثم أجب عن الأسئلة التي تليها باللغة العربية.

صديقتي العزيزة أمل،

شاهدت اليوم فيلماً عن إعادة استعمال المواد في حياتنا اليومية. كما تعرفين، تصل الصحيفة إلى المنزل صباحاً فقبل أن يأتي اليوم التالي نراها في سلة القمامة. ومن المؤسف أن كثيراً من الصحف تصل القمامة دون أن تصل بيوت الناس، وهذه مشكلة بيئية حقيقية فالأوراق لا تُصنع بسهولة، إنما تأتي من الموارد الطبيعية.

أنا سعيدة لأن بعض السيدات العربيات تستخدم الصحف اليومية كمفرش لسفرة الطعام، حتى لا تضطر إلى تنظيف الطاولة بعد الأكل أو إلى استعمال مفرش غالي الثمن. ولهذا، تستعمل السيدات الجريدة التي لم يعد لها حاجة وهذا بالتأكيد أفضل من إلقيها في القمامة بعد قراءتها.

قالت معلمة التغذية في الفيلم، "لا نفكر مرتين ونحن نلقي بقشر البيض أو قشر الفاكهة والخضراوات في القمامة. جذتي لم تكن تسأل نفسها إذا كانت سترمي هذه الفضلات أو لا، لأنها كانت تستعملها طعاماً للدواجن التي كانت تركز طيلة النهار في حديقة المنزل". رأينا في الفيلم سيدة تشرح لأولادها أهمية زراعة الأشجار والزهور في حديقة المنزل وداخله وكيفية المحافظة عليها وذلك لتقدير جمال الطبيعة.

رأينا في الفيلم أيضاً كيف يمكن التخلص من القمامة بطريقة سليمة وذلك لمنع انتشار الأمراض. فلا يجب وضعها أمام المنزل أو خلفه، حتى لا تلعب فيها القطط وتنتشر في كل مكان.

يجب تشجيع الناس على استعمال الطريقة الصحيحة لحماية البيئة. أنا أنصح كل إنسان أن يتصل بمكتب الصحة المسؤول عن التخلص من القمامة.

سلام من صديقتك سلمى



اقرأ النص التالي بعناية ثم أجب عن الأسئلة التي تليه باللغة العربية.

صديقتي العزيزة أمل،

شاهدت اليوم فيلماً عن إعادة استعمال المواد في حياتنا اليومية. كما تعرفين، تصل الصحيفة إلى المنزل صباحاً فقبل أن يأتي اليوم التالي نراها في سلة القمامة. ومن المؤسف أن كثيراً من الصحف تصل القمامة دون أن تصل بيوت الناس، وهذه مشكلة بيئية حقيقية فالأوراق لا تُصنع بسهولة، إنما تأتينا من الموارد الطبيعية.

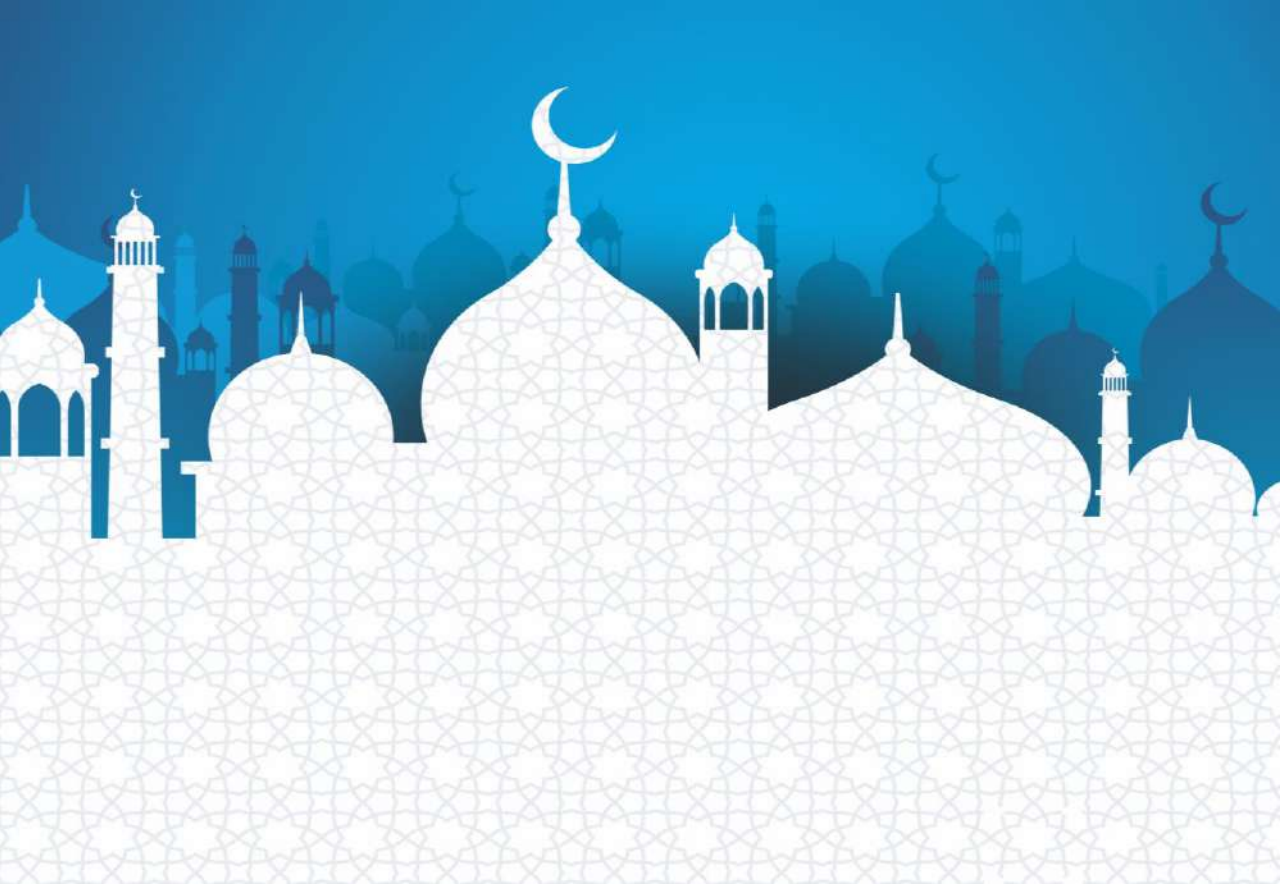
أنا سعيدة لأن بعض السيدات العربيات تستخدم الصحف اليومية كمفرش لسفرة الطعام، حتى لا تضطر إلى تنظيف الطاولة بعد الأكل أو إلى استعمال مفرش غالي الثمن. ولهذا، تستعمل السيدات الجريدة التي لم يعد لها حاجة وهذا بالتأكيد أفضل من إلقائها في القمامة بعد قراءتها.

قالت معلّمة التغذية في الفيلم، "لا نفكر مرّتين ونحن نُلقي بقشر البيض أو قشر الفاكهة والخضراوات في القمامة. جدّتي لم تكن تسأل نفسها إذا كانت ستزرمي هذه الفضلات أو لا، لأنها كانت تستعملها طعاماً للدواجن التي كانت تركزس طيلة النهار في حديقة المنزل". رأينا في الفيلم سيّدة تشرح لأولادها أهمية زراعة الأشجار والزهور في حديقة المنزل ودخله وكيفية المحافظة عليها وذلك لتقدير جمال الطبيعة.

رأينا في الفيلم أيضاً كيف يمكن التخلص من القمامة بطريقة سليمة وذلك لمنع انتشار الأمراض. فلا يجب وضعها أمام المنزل أو خلفه، حتى لا تلعب فيها القطط وتنتشر في كل مكان.

يجب تشجيع الناس على استعمال الطريقة الصحيحة لحماية البيئة. أنا أنصح كل إنسان أن يتصل بمكتب الصحة المسؤول عن التخلص من القمامة.

سلام من صديقتك سلمى



ولماذا؟ اذكر سببين.

(ii)

(iii)

من كان يعيد استعمال قشر البيض؟ وكيف؟

(i)

(ii)

كيف كانت السيدة في الفيلم تُعلم أولادها حب الطبيعة؟

(i)

(ii)

من المسؤول عن التخلص من القمامة بطريقة صحيحة؟

[online exercise \(liveworksheets.com\)](https://www.liveworksheets.com) المبتدأ والخبر

[worksheet \(liveworksheets.com\)](https://www.liveworksheets.com) (هيا إلى المكتبة) (الفعل الماضي والمضارع والأمر

[online exercise \(liveworksheets.com\)](https://www.liveworksheets.com) المبتدأ والخبر

[worksheet \(liveworksheets.com\)](https://www.liveworksheets.com) (الفعل الماضي والمضارع والأمر) هيا إلى المكتبة



ISLAMIC
Find out any 5 scientific Verses and
explain them according to the
scientific research