



# The Laurence School, Lovedale

**HOLIDAY ASSIGNMENT - JUNE 2025**

## CLASS IX

### English

#### **Teen Talk Times – Your Personal Newspaper**

Create **1 newspaper page** with the following:

- An editorial (your opinion on a current issue like social media, exams, AI in education, etc.)
- A short interview (you can create it) with someone inspiring
- A pun-based comic or riddle section
- Word of the Week (pick 3 interesting new words and give meanings, synonyms, use in a sentence)

#### **Your Newspaper Page Must Include:**

#### **1** Editorial Corner: Speak Your Mind (150–200 words)

Choose one issue that matters to *you* and write a short **opinion piece**. Use persuasive language. Possible topics:

- Should exams be optional in the future?
- Is technology making us smarter or lazier?
- Why mental health should be part of school education.
- Uniforms: Style-stopper or equality-promoter?

#### **2** In Conversation: An Imaginary Interview (Q&A format)

Interview any **famous personality or fictional character** (can be real or imaginary). Ask them **5–6 questions** and write their responses.

#### **Examples:**

- Interview Harry Potter about living in the Muggle world.
- Ask Greta Thunberg how teens can fight climate change.
- Talk to a freedom fighter about their sacrifices.
- Interview a time traveller from the year 3025.

#### **3** Slice of Teen Life: A Fun Column or Feature Article (100–150 words)

Write a light-hearted piece based on teenage life. Choose one:

- A funny classroom memory
- My secret to surviving Mondays

- How to take the *perfect* selfie
- The things teachers will never understand!

#### 4 Word Watch & Punny Corner

- **Word Watch:** Share 2–3 “cool” or unusual words you’ve learned recently. Include:
  - Word
  - Meaning
  - Use it in a sentence  
(e.g., “*Lethologica* – the feeling when a word is at the tip of your tongue.”)
- **Punny Corner / Mini Comic Strip:** Add a pun, joke, or mini comic strip. (Stick figures are fine!)  
(Example pun: “I was struggling to figure out how lightning works... then it struck me.”)

#### 5 Visual Element (Optional but Encouraged)

- Design a **logo** and give your newspaper a catchy name.
- Add **doodles**, **headlines**, or a **photo collage** if you like.
- Use coloured pens or printed images to enhance appeal.

✦ Bonus :

Include a mini **poem**, **rap**, or **ad jingle** about any topic you like (friendship, social media, school life, etc.)

#### ☑ Guidelines:

- Handwritten or digitally created.
- Should reflect *your* voice, humour, creativity, and opinions.
- Be original—plagiarism will not be appreciated!
- Can be created in a scrapbook style, a chart, or printed A4 sheets.

### **“BookCast – Your Book, Your Voice!”**

**Theme:** *Read it. Feel it. Speak it.*

#### YOUR TASK

Create a podcast episode where you do the following:

#### **BOOKCAST FORMAT**

##### **INTRO (20–30 sec)**

- Greet your listeners
- Introduce your podcast title and your name
- Name the book and author
- Hook us in: “This book made me think about \_\_\_\_”, or “Here’s why I couldn’t put it down!”

## MAIN SEGMENT (1.5–2 min)


Choose *TWO* or *THREE* of these creative elements:

1. **Plot Popcorn** – Give a quick, spoiler-free summary in 5 sentences.
2. **Character Call-In** – Pretend to “interview” your favourite character. Use a different voice and ask fun or deep questions.
3. **Soundtrack for the Soul** – Choose a song that fits the book or a character. Explain why.
4. **Quote It Like You Mean It** – Share a powerful quote from the book and what it meant to you.
5. **What If?** – Imagine the book set in a different place/time. What changes?
6. **Reader’s Recommendation** – Who would love this book and why? Is it for thinkers, dreamers, thrill-seekers, rebels?

## SIGN-OFF (20–30 sec)

- Sum up your thoughts
- End with a catchy line:  
“That’s all from BookCast! Until next time—read loud, live proud!”  
or  
“Keep flipping those pages, and I’ll keep talking stories!”

## SUBMISSION OPTIONS

-  Submit or mail the audio file MP3 to your respective English teachers.  
divya@thelawrenceschool.org, manmeet@thelawrenceschool.org,  
hodenglish@thelawrenceschool.org

## BONUS CHALLENGES

- Use at least **2 new vocabulary words** in your podcast from the book.
- Add a creative twist (a dramatic voice, background music, or a funny moment)

## EXAMPLE TITLES

- “*Tea with Tolstoy – A Dive into Anna Karenina*”
- “*Percy Jackson: The Podcast Edition*”
- “*Beyond the Cover – What ‘Wonder’ Taught Me*”

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## **Grammar Graffiti Wall**

Design a **Grammar Graffiti Wall** on an A3 sheet (or digitally using tools like Canva/PowerPoint/Google Slides) that includes **at least 3 grammar topics** of your choice.

Your graffiti wall must be:

- Creative and colourful
- Informative (teaches the topic clearly)

- Fun and engaging (uses drawings, jokes, puns, or memes)

### Choose ANY 3 (or more) Grammar Topics:

1. Tenses (Present, Past, Future; Simple, Continuous, etc.)
2. Parts of Speech (noun, verb, adjective, etc.)
3. Subject–Verb Agreement
4. Voice (Active and Passive)
5. Direct and Indirect Speech
6. Punctuation (comma, apostrophe, etc.)
7. Commonly Confused Words (their/there, your/you're)
8. Figures of Speech (simile, metaphor, personification)

### Your Poster Must Include:

For **each grammar topic**, include:

- A **creative title** (e.g., “The Tense Tangle” or “Comma Drama”)
- A **brief explanation or rules** in your own words
- **2 correct examples**
- A **creative element**:
  - Drawing/cartoon
  - Joke or pun
  - Comic strip
  - Song lyric or meme
  - Pop culture reference

### Bonus Creativity Zone (Optional but fun!):

#### “Oops! Grammar Gone Wrong!”

Add a small section where you:

- Show grammar errors from real life (shop signs, menus, social media posts)
- Write the corrected version
- Add a humorous caption if you like!

### Presentation Tips:

- Keep it neat, bold, and legible
- Use different colours or styles for headings, examples, and definitions
- Make it visually appealing: arrows, bubbles, borders, and banners work well
- Make it FUN: the more creative, the better!





THE LAWRENCE SCHOOL, LOVEDALE

HOLIDAY ASSIGNMENT-CLASS- 9

MATHEMATICS- JUNE-2025

1. The value of  $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$  is equal to  
(a)  $\sqrt{2}$  (b) 2 (c) 4 (d) 8
2.  $\left(-\frac{1}{27}\right)^{-\frac{2}{3}}$  is equal to  
(a)  $8\left(\frac{1}{27}\right)^{-\frac{2}{3}}$  (b) 9 (c)  $\frac{1}{9}$  (d)  $27\sqrt{27}$
3. Value of  $\sqrt[4]{(81)^{-2}}$  is  
(a)  $\frac{1}{9}$  (b)  $\frac{1}{3}$  (c) 9 (d)  $\frac{1}{81}$
4. The coefficient of x in the expansion of  $(x + 3)^3$  is  
(a) 1 (b) 9 (c) 18 (d) 27
5. If  $64x^2 - y = \left(8x + \frac{1}{2}\right)\left(8x - \frac{1}{2}\right)$ , then the value of y is  
(a) 0 (b)  $\frac{1}{\sqrt{2}}$  (c)  $\frac{1}{4}$  (d)  $\frac{1}{2}$
6. Zeros of the polynomial  $p(x) = (x - 2)^2 - (x + 2)^2$  are  
(a) 2, -2 (b) 2x (c) 0, -2 (d) 0
7. **Assertion (A):** The  $\sqrt{2} \times \sqrt{7} = \sqrt{14}$ , is an irrational number.  
**Reason (R):** The product of two irrational numbers is always an irrational number.  
(a) Both A and R are true and R is the correct explanation of A.  
(b) Both A and R are true but R is not the correct explanation of A.  
(c) A is true but R is false.  
(d) A is false but R is true.

8. Find the value of  $x$  for which  $\left(\frac{3}{4}\right)^6 \times \left(\frac{16}{9}\right)^5 = \left(\frac{4}{3}\right)^{x+2}$ .
9. If  $-1$  is a zero of the polynomial  $p(x) = ax^3 - x^2 + x + 4$ , then find the value of ' $a$ '.
10. Check whether  $p(x)$  is a multiple of  $g(x)$  or not:  
 (i)  $p(x) = x^3 - 5x^2 + 4x - 3$ ,  $g(x) = x - 2$   
 (ii)  $p(x) = 2x^3 - 11x^2 - 4x + 5$ ,  $g(x) = 2x + 1$
11. Simplify  $\frac{4+\sqrt{5}}{4-\sqrt{5}} + \frac{4-\sqrt{5}}{4+\sqrt{5}}$  by using rationalizing the denominator
12. If  $2x + 3y = 12$  and  $xy = 6$ , find the value of  $8x^3 + 27y^3$ .
13. Prove that  $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} = 5$ .
14. Term 1 exams were held in SAV School. The examination paper was of 76 marks. Sam and Ishu, two students of the class were discussing their marks secured in Maths exam. The marks obtained by Sam and Ishu are 38/76 and 26/76 respectively.



- (a) The marks secured by another student, Ramesh is  $0.\overline{42}$ , then convert it in the  $p/q$  form where  $p$  and  $q$  are integers and  $q \neq 0$ .
- (b) Find the decimal expression form of  $70/90$
- (c) Rationalise the denominator  $\frac{1}{\sqrt{5} + \sqrt{2}}$
15. Find the value of  $9x^2 + 4y^2$  if  $xy = 6$  and  $3x + 2y = 12$ .

16. Find two different irrational numbers between the rational numbers  $\frac{5}{7}$  and  $\frac{9}{11}$ .

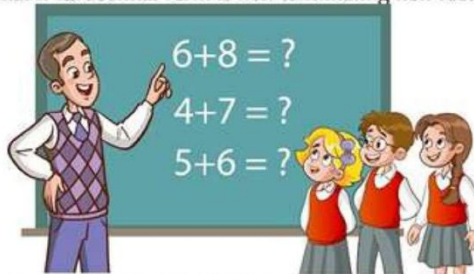
17. Find the value of the polynomial  $5x - 4x^2 + 3$  at  $x = 2$  and  $x = -1$ .

18. Find the value of a and b if  $\frac{3+\sqrt{2}}{3+\sqrt{2}} = a + b\sqrt{2}$

19. Locate  $\sqrt{3}$  on the number line. Write steps also.

20. Mr. Kumar, a Mathematics teacher explained some key points of unit 1 of class IX to his students. Some are given here.

- There are infinite rational numbers between any two rational numbers.
- Rationalisation of a denominator means to change the irrational denominator to rational form.
- A number is irrational if its decimal form is non-terminating non-recurring



On the basis of these key points, Answer the following questions

- (a) What is the reciprocal of  $2 + \sqrt{3}$ ?
- (b) Find a rational number between  $\sqrt{2}$  and  $\sqrt{3}$
- (c) Simplify  $(\sqrt{3} - \sqrt{7})^3$

OR

- (c) Express  $\frac{4}{7}$  in decimal form and state the kind of decimal expansion.

21. In January 2021, the vaccination drive for COVID -19 started in 7 states of a country. More than 60% of the people were vaccinated in 4 states out of 7 states, In one of the state vaccination drive has not been started due to flood although vaccine dose was supplied to that state in advance. In February 2021, 4 more states were included in this drive and 2 states have got remarkable response from the people and more than 80% of the population got vaccinated there. Using this information answer the following questions:



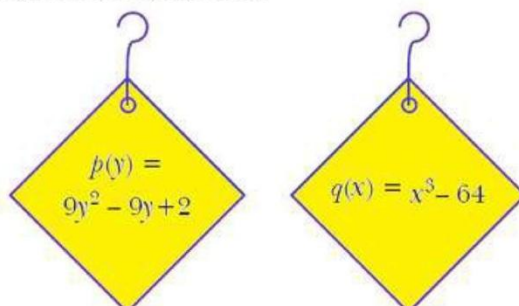
(a) In January 2021, more than 60% of people were vaccinated in 4 states out of 7 states. Find the decimal representation of  $\frac{4}{7}$  (2)

(b) In 2 states out of 11 states, more than 80% of people participated in vaccination drive in two months. Find the decimal form of  $\frac{2}{11}$  (2)

OR

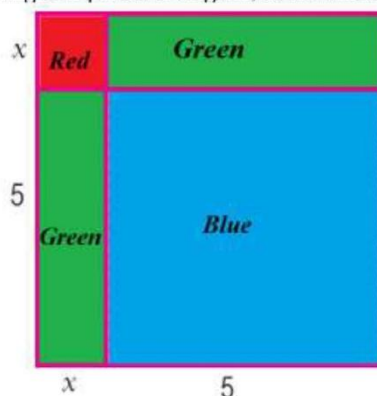
(b) The fraction for state where vaccination not started in January 2021 is  $\frac{1}{7}$  and its decimal form is  $\overline{0.142857}$ . Find the decimal form of  $\frac{6}{7}$ . (2)

22. A school organised a mathematics exhibition in the school premises. Children of all classes made various models and games to depict the use of mathematics in daily life. To make the decoration more attractive, they made hangings related to mathematics one of the students made two hangings with polynomials written on them.



- (a) Find the factors of polynomial  $q(x)$  [1]
- (b) Find the factors of polynomial  $p(y)$  [1]
- (c) Find the value of value of  $p(-2)$ . [1]
- (d) Find the zeroes of the polynomial  $x^2 - 81$  [1]

23. Mahesh formed a square using four pieces of origami, as shown in the figure.



Based on above information answer the following questions.

- (i) (a) Write the trinomial which describes the area of the given square. [1]
  - (b) If area of the square is given by the polynomial  $x^2 - 10x + 25$ ; then what will be the side of the square? [1]
  - (ii) (a) If  $p(y) = y^2 - 2y + 1$ , then find the value of  $p(y) + p(-y)$ . [1]
  - (b) What is the degree of the trinomial  $x^3 + 2x^2 + 3x + 4$ ? [1]
24. a) Locate  $\sqrt{8}$  on the number line .
- b) Represent  $\sqrt{8.3}$  on the number line.
25. Express  $0.\overline{47}$  in the form of a rational number  $\frac{p}{q}$  where p and q are integers.,  $q \neq 0$

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## SCIENCE

### PHYSICS

"Design an experiment to create a velocity-time graph for a toy car moving down a ramp. Describe the setup, materials required, and the steps you would take to record data accurately. Then, analyse the graph to determine the toy car's acceleration and explain how the slope of the graph represents this acceleration."

### CHEMISTRY

Read the activity and answer the questions:

Take two transparent glasses filled with water.

Put few drops of blue ink along the sides of one glass and honey in the same way in the other glass

- What do you observe immediately after adding the ink drop?
- What do observe immediately after adding honey?
- How many hours or days does it take for the colour of ink to spread evenly throughout the water?
- Describe the phenomenon involved? Which beaker will it occur faster and why?

### BIOLOGY

Read the activity and answer the questions:

Taking four peeled potato halves and scooping each one out to make potato cups. One of these potato cups is to be made from a boiled potato. Putting each potato cup in a trough containing water.

- Keeping cup A empty.
- Putting one teaspoon sugar in cup B.
- Putting one teaspoon salt in cup C.
- Putting one teaspoon sugar in the boiled potato cup D.

Leaving them for two hours. Then observing the four potato cups.

Observation:

- Water gathers in the hollowed portions of B and C.
- Water does not gather in the hollowed portions of A and D.

1 Explain why water gathers in the hollowed portion of B and C.

2 Why is potato A necessary for this experiment?

3 Explain why water does not gather in the hollowed out portions of A and D?

## **SOCIAL SCIENCE**

(For Geography only)

India map with all states and their capital.

- ☐ The project should be done on an A4 sheet.
- ☐ No printout is accepted.
- ☐ You can use a stencil to draw an India map.

### **ECONOMICS PROJECT WORK :**

- 1) To be done in separate A4 project sheets.
- 2) No binding required. Keep it in a simple file folder together.

### **TOPIC FOR THE PROJECT**

- **POVERTY AND UNEMPLOYMENT SCENARIO IN INDIA SINCE INDEPENDENCE**

**Poverty & Unemployment scenario to be presented separately with separate year wise data and detailed analysis report, as well as the difference remedial measures adopted by the Indian Governments from time to time.**



**1. வாசிப்பு திட்டம்**

குறிப்பு: ஒவ்வொரு வாரமும் ஒரு சிறுகதை, கட்டுரை அல்லது நாவல் பகுதியில் வாசிக்க வேண்டும்.

- **நூல்கள்:**
  - புதுமைப்பித்தனின் சிறுகதைகள்
  - கல்கியின் நாவல்கள் (தொகுப்பிலிருந்து தேர்வு செய்யலாம்)
  - சுதா முர்த்தியின் மொழிபெயர்க்கப்பட்ட கதைகள் (தமிழில் கிடைக்கும்)
- **செயல்பாடு:** வாசித்தவற்றின் சுருக்கம் மற்றும் முதன்மை கருத்தை எழுதுங்கள் (ஒரு பக்கம் போதும்).

**2. எழுத்துப் பயிற்சி திட்டம்**

வாரத்திற்கு இரண்டு கட்டுரை

- ஒரு அனுபவக் கட்டுரை (எ.கா., என் ஊர் விழா, என் நண்பன்)
- ஒரு சிந்தனைக் கட்டுரை (எ.கா., தொழில்நுட்பத்தின் தாக்கம், மரங்களை காப்போம்)

மாணவர்கள் கைப்பட எழுத வேண்டும் (அழகான எழுத்துப் பயிற்சிக்காக).

**3. தமிழ் இலக்கியம் - சிறுகதை திறனாய்வு**

✓ ஒரு சிறுகதை (உ.கா: அறம் (Aram), படையல் (Padaiyal), தங்கப்புத்தகம் (Thanga Puthagam) ஆகிய நூல்கள் ஜெயமோகன் (Jeyamohan) எழுதியவை. சாய்வு நாற்காலி (Saivu Narkali) தோப்பில் முகமது மீரான் (Thoppil Mohamed Meeran) எழுதியது, புயலிலே ஒரு தோணி (Puyalilae Oru Thoni) L. சிங்காரம் எழுதியது போன்ற சிறுகதைகள் படித்து, கீழ்காணும் அடிப்படைகளில் பகுப்பாய்வு செய்யுங்கள்:

- கதையின் தலைப்பு, முக்கிய பாத்திரங்கள்,
- கதைச் சுருக்கம், முக்கியக் கருத்து
- என் பார்வையில் கதை:

**4. தமிழ் கலாச்சாரம் - நம் ஊர்திருவிழா**

✓ உங்கள் ஊரில் நடைபெறும் முக்கியமான ஒரு திருவிழா பற்றி எழுதி வழங்கவும்:



- திருவிழாவின் பெயர்,எப்போது நடைபெறும்,ஏற்பாடுகள்,
- கலாசார அம்சங்கள்,என் அனுபவம் / உணர்வு:

(படம் சேர்த்தால் கூடுதல் மதிப்பெண்!)

#### 5. படைப்பாற்றல் - கவிதை எழுதுங்கள்

✓ கீழ்க்கண்ட தலைப்புகளில் ஏதாவது ஒன்றை தேர்ந்தெடுத்து ஒரு சிறிய (4-6 வரிகள்) கவிதை எழுதுங்கள்:

- என் குடும்பம்
- தமிழ் என் உயிர்
- சுற்றுச்சூழல்
- பள்ளி நாட்கள்
- ஒரு மரத்தின் நினைவு

#### 7.பாடல் பகுப்பாய்வு (Poem Analysis)

நீங்கள் விரும்பும் ஒரு தமிழ்ப் பாடலை தேர்ந்தெடுத்து (சினிமா பாடல் /சங்ககாலப் பாடல்),

- பாடலின் தலைப்பு
- பாடகர்/கவிஞர் பெயர்
- பாடலின் முக்கிய செய்தி
- ஏன் அந்தப் பாடலை விருப்பமாக கேட்கிறீர்கள்? என்பதை எழுதி ஒப்படையுங்கள்.

#### முக்கிய குறிப்பு :

**தமிழ்த்தேனி போட்டி(PREPARE FOR TAMIL SPELLBEE COMPETITION)**

**தமிழ் செய்யுள் ஒப்புவித்தல் போட்டி(PREPARE FOR TAMIL POEM RECITATION COMPETITION)(சங்க இலக்கியம் பாடல்,பக்தி இலக்கியப்பாடல், இக்கால இலக்கியப்பாடல்(திரையிசை பாடலாகவும் இருக்கலாம்).**

**தமிழ் கதைக்கூறும் போட்டி/பேச்சுப்போட்டி (PREPARE FOR TAMIL STORY TELLING PREPARED SPEECH COMPETITION)**

குறைந்தது இரண்டு மரக்கன்றுகளை நட்டு வளர்க்கவும்

**कक्षा 9****1. सामूहिक परियोजना कार्य । ( Group Project)**

विषय . तमिलनाडु एवं गुजरात में समानता एवं तुलनात्मक अध्ययन ( कोई एक विषय )

1. वेशभूषा और खान-पान
2. भाषा और साहित्य
3. प्राकृतिक सौंदर्य और वन्य जीवन
4. त्योहार और संस्कृति
5. प्रसिद्ध मंदिर और तीर्थस्थान
6. दर्शनीय स्थान

**2. विषय संवर्धन गतिविधि ( Individual)**

1. चित्र लेखन ( कोई भी पाँच )
2. संवाद लेखन ( कोई भी पाँच )
3. अनुच्छेद लेखन ( कोई भी पाँच )
4. संधि की परिभाषा एवं प्रकार तथा स्वर संधि के सभी प्रकारों का उदाहरण सहित वर्णन ।

**नोट- ए 4 सीट पर हल करके फाइल (File) में लाना अनिवार्य है ।**

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## FRENCH

1. Register with Dulingo.com for French and reach up to level 4. On youtube watch : French for beginners: Learn French with Alexa Polidoro.
2. Décrivez votre journée pendant les vacances. Faites un poster sur ce thème aussi.
3. Faites un poster sur les saisons en décrivant les saisons.

#### 4. Art integrated project:

Décrivez l'état de Tamil Nadu sur les aspects suivants :

- Les vêtements,
- Les bijoux,
- La nourriture (La cuisine),
- La Langue,
- Les monuments et Les Temples,
- La situation géographique

5. Apprenez le glossaire du livre 'Entre Jeunes- 1' de page 160 jusqu'à page 165 pour : "Spell Bee competition"
6. Écrivez et apprenez la culture et civilisation de leçons 1 à 8 de « Together with French ».
7. Apprenez un poème français ou une chanson française de YouTube pour "concours de récitation de poésie". Write lyrics in the Holiday assignment note book.
8. Apprenez une petite histoire ; un petit conte ou une fable pour "Concours de Narration Française". Learn a short French story or fable and bring the story for the "French Storytelling competition".

## FINE ARTS HOLIDAYS ASSIGNMENT

Draw any 10 drawings by using pencil, charcoal, charcoal pencil, brush pen, and drawing pen on A4 cartridge/drawing papers.









