

NAPARIMA GIRLS' HIGH SCHOOL

FORM 3 COURSE OUTLINES

TERM I 2017/2018

Information and Communication Technology

- Computational Thinking: Flowcharts

Mathematics

1. POLYGONS

- Properties of a polygon: Closed plane figure, Number of sides, Number of angles, Regular vs. irregular
- calculating the sum of the interior angles of a polygon: $(n-2) \times 180^\circ$;
- Calculate the sum of the interior angles of regular polygons
- Calculate the size of each interior angle
- Calculate the sum of the exterior angles of regular polygon
- Calculate the size of each exterior angle of a regular polygon

2. Pythagoras's theorem

Solving the missing lengths

3. TRIGONOMETRICAL RATIOS

- Calculate lengths for acute angled triangles

4. ALGEBRA

- Laws of algebra
- Simplification of Algebraic Expressions
- Factorization

5. SOLVING SIMPLE & SIMULTANEOUS EQUATIONS₂

- Solve linear equations
- Solve simultaneous equations by eliminations or substitution methods
- Solve worded problems

6. THE STRAIGHT LINE GRAPH

- Draw :Lines $x = a$; lines $y = -b$; Lines $y = mx + c$;

Technology Education

WK	TOPIC
1	Challenge 2- Identify the problem
	Challenge 2- Define the problem
2-3	Challenge 2- Explore possible solutions
	Challenge 2- Assess the various solutions
4-5	Challenge 2- Try and test out solutions
6	Challenge 2- Evaluate the solution
7	Challenge 2- Presentations
	Challenge 2- Assessment
8	Challenge 3- Identify the problem
	Challenge 3- Define the problem
	Challenge 3- Explore possible solutions
9	Challenge 3- Assess the various solutions
10	Challenge 3- Try and test out solutions
11	Challenge 3- Evaluate the solution
12	Challenge 3- Presentations
	Challenge 3- Assessment

DANCE

TOPIC - DANCE ACTIONS (the body), RELATIONSHIPS, TRAVELLING (space), JUMPING, GESTURE AND STILLNESS (dynamics).

a. Students will be able to create a piece of work based on all components of the topic using any genre of music.

b. Students would be able to respond spontaneously and improvise to accompaniment emphasizing particular body parts or actions according to task while working with peers, while travelling, execute their five basic jumps using the proper technique learnt at Form 1 level,

Understand non-verbal communication which dance is e.g. (waving, shrugging, work actions like digging, sweeping stop, freeze (stillness), experience and develop control, co-ordination, balance, poise using basic body parts , vary actions through contrast of speed(slow, fast, sudden enduring)

d. Vary actions with degrees of tension e.g. (.strong, light, forceful & gentle) they will also be able to manipulate their bodies within the space whether big or small while working with peers.

DRAMA

- Use of body and voice
- Stage space
- Working in groups: problem solving, staging
- Improvisation: character development and dialogue
- Review and Assessment

VISUAL ARTS

- DESIGN- Black and White Designs depicting use of Elements and Principles of Design
- DRAWING- Patterns found in Nature, Still Life Compositions
- SILK SCREEN- Design and printing techniques
- POTTERY- Create a tile using the slab method and various embellishment techniques
- ART APPRECIATION - Research and explore the works of MC Escher, Keith Cadette, Claude Monet and Vincent Van Gogh

MUSIC

Recorder

1. New notes
2. One solo, one ensemble

Pan

1. Solo
2. Ensemble
3. Scales/ arpeggios

Singing

1. Two songs

Theory

1. Introduce arpeggios
2. Elements of music
3. Review Major and minor scales/ triads
4. Parang
5. Classical music periods

GEOGRAPHY

- Water pollution – causes, effects, mitigation
- Methods to reduce Pollution – Case Study - Recycling
- Hazards – Earthquakes, volcanoes, hurricanes and flooding
- Mapwork – measuring distances, angular bearing, sketch maps, estimating areas

SOCIAL STUDIES

1. Humanitarian Law

- a. Definition
- b. Terms and concepts and examples

2. Breaches in Social Justice

- a. Discuss breaches of Human Rights through events.

3. People and our Heritage

- a. Identify people in the history of Trinidad and Tobago who have made contribution to our national heritage

b. Describe how these persons have made their contribution towards building our national heritage

4. Heritage

a. conservation and preservation

5. Understanding globalization

a. Define and explain key terms and concepts

6. Communication technology and globalization

a. Define the terms-communication technology, Information communication technology (ICT)

b. Assess how new forms communication technology impact on globalization and the economy of Trinidad and Tobago

7. Transportation and economic development

8. Global Distribution of goods

FRENCH

At the end of the term students will be able to:

- Identify some French shops
- State what is bought and sold in some French shops
- Use 'RE' verbs appropriately
- Use expressions of quantity appropriately when shopping for food
- Ask the price of something in the TL
- State the price of something in the TL
- Ask politely for items in a shop
- Say that there isn't any more of something
- Conjugate and use regular 'IR' verbs appropriately in the Present Tense
- Identify different European countries, their capitals and tourist attractions in the TL

- Use prepositions with towns and countries appropriately
- Identify and state different modes of transport in the TL
- Conjugate and use the verb 'Venir' appropriately
- State what they are going and not going to do
- Describe a trip in the future
- State what activities can and can't be done in certain towns
- Ask permission to do something
- Use the Passé Composé with auxiliary 'Avoir' appropriately
- Write a post card describing their holiday/ trip

English Language

1. Basic Tenses - Simple present tense, Simple Past tense, Present Continuous tense, Past Continuous tense
2. Antonyms and Synonyms
3. Spelling
4. Punctuation
5. Subject Verb Agreement
6. Fact and Opinion
7. Descriptive Writing – People
8. Persuasive Writing – Letter to the Editor & Advertisements
9. Comprehension Skills

English Literature

1. **To Kill a Mockingbird** – Chapters 1- 8

2. **Twelfth Night**– Acts 1 & 2

3. **Bite In** - Poems:

1. *Atieno*
2. *Warning*
3. *5 Ways to Kill a Man*
4. *Christ Climbed Down*
5. *My Grandmother*

PHYSICAL EDUCATION

- The Digestive System
 - Structure, functions, working / processes involved, organs which aid digestion
- Gymnastics
 - Brief History, types of gymnastics, Men's and Women's events
- Health and Physical Fitness
 - Training for performance, the principles of warm up, cool down
 - Principles of training including SPORT
 - Methods of training
 - The effects of training on the human body and human performance
 - Planning a training programme
 - Food for fitness
- First Aid
 - Definition of first Aid
 - Application of appropriate emergency responses
 - Contents of a first aid kit
 - General procedure in the event of an injury

Practical: Throws: discus, javelin, Gymnastics: rolls, balances, vaults (short routine).

Chemistry

1. Air pollution
2. Cycles
3. Particulate nature of matter
4. States of matter
5. Mixtures and separations

Biology

1. The eye - structure, function , defects, and correction
2. Lab Reports and format
3. Collection
4. Classification
5. Soil - components
6. Sampling
7. Pollution-water / land / air

Physics

1. Measurements & Units
2. Forces and pressure
3. Motion - Newton's Law , momentum, moments

FOOD AND NUTRITION

THEORY

1. Introduction to Food and Nutrition
2. Safety and hygiene
3. The six food groups

4. The six food nutrients
5. Macro-Nutrients
 - Proteins
 - Carbohydrates
 - Fats

PRACTICALS

- Measurement
- Sandwiches
- Cakes using the rubbing method

SPANISH

¿Qué hay? Book 3

STUDENTS WILL BE ABLE TO:-

- *Talk about their holidays in the Present Tense
- *Where they go and with whom
- *Talk about things they do with their family
- *Discuss sporting events
- *Talk about different ways to travel
- *Give reasons for their preferences
- *Book a trip, find out travel details,talk about dream destinations
- *Find their way around the airport
- *Fill out airport/customs forms
- *Ask information about flights, airlines, and ticket prices
- *Ask and provide information about dates and times of departures, arrivals, and duration of flight

- *Ask about documents required for international travel
- *Express social courtesies when travelling
- *Find out what there is to see in a town or city
- *Ask about distances from one point to another
- *State and ask the distance of one point from another
- *Read and understand signs they may see {Pg. 42}
- *Identify and use the Present Progressive Tense
- *Ask for and give directions to a specific place
- *Use polite commands when giving directions
- *Listen and answer questions in preparation for the listening exam
- *Prepare for three topics for the oral exam:- Personal Identification, Family & Friends and Daily Routine
- *Find out how to say what you did in the past using regular and irregular verbs
- *Relate what happened to your friends
- *Talk about historical events
- *Learn how to say what the weather was like in the past
- *Identify parts of a letter in Spanish
- *Write an informal letter in Spanish using appropriate vocabulary and tenses
- * Reserve a room
- *Check into a hotel
- *Enquire about hotel services/facilities

