1.3.1 Curriculum of the institutions provides opportunities for the students to acquire and demonstrate knowledge, skills, values and attitudes related to various learning Areas

1.3.1 Curriculum of the institutions provides opportunities for the students to acquire and demonstrate knowledge, skills, values and attitudes related to various learning Areas.

Response:

The College is affiliated with University of Mumbai, and a consortium of teacher educators from several universities formulated the curriculum. The objective of the programme is to provide students with a thorough comprehension of educational theory and practice, enabling them to become competent and accomplished educators.

Comprehension of Teacher Education: The purpose of teacher education is to enhance a teacher's competence and proficiency, enabling them to better handle the challenges and difficulties of their profession. Teacher education includes teaching practices, robust pedagogical theory, and the development of professional abilities. Student teachers adhere to lesson plans when instructing courses. Experts and educators resolve any confusion that exists. Students can receive answers to their inquiries in a systematic mentoring group that is aligned with their academic pursuits.

Focus on teaching pedagogies: Teacher education encompasses educational levels, viz. secondary, and higher secondary. The institution's student teachers are highly equipped to teach at the secondary and higher education levels due to the quality of their pedagogical training, hands-on expertise, and teaching practice opportunities.

Capacity to infer conclusions from a more extensive sample: The faculties ensure that the curriculum adequately covers topics concerning gender, environmental sustainability, human values, and professional ethics. The college recognizes the importance of education that is based on moral principles, life skill education, emotional intelligence and inclusion. Human values are unquestionably the most precious of all values. These core values are explained to incorporate and implement in content based lesson plans for execution in practice teaching.

Proficiencies/Abilities: Teachers need a variety of skills, qualifications, and training to be successful in their roles. In addition, they necessitate outstanding interpersonal and intrapersonal skills, such as patience and the ability to remain composed in high-pressure situations. Their capacity for collaboration enables them to effectively cooperate with others. Students are instructed in emotional intelligence, critical thinking, reflective thinking, classroom management strategies, cooperative learning, stress management, self-esteem, and positive thinking. Students engage in collaborative projects, seminars and discussions. The current state of affairs has been significantly shaped by the progress of Information and Communication Technology (ICT) which is incorporated for better transaction of teaching

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INDEX

SR NO	DESCRIPTION
1	A fundamental or coherent understanding of the field of teacher education
2	Procedural knowledge that creates teachers for different levels of school education skills that are specific to one's chosen specialization
3	Capability to extrapolate from what one has learnt and apply acquired competencies
4	Skills/Competencies such as: Emotional Intelligence, Critical Thinking, Negotiation and Communication Skills, Collaboration with others, etc.

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Files to Upload:

- Documentary evidence in support of the claim
- List of activities conducted in support of each of the above
- Photographs indicating the participation of students, if any
- Any other relevant information

DOCUMENTARY EVIDENCE IN SUPPORT OF THE CLAIM

ORDINANCES, REGULATIONS AND THE CURRICULUM FOR THE B. Ed. TWO YEARS DEGREE PROGRAMME

(Semester I, II, III and IV)
(As per Credit Based Choice System with effect from the academic year June 2017)

- Decision of UGC for introducing the Semester and Credit Based Choice System in all the central, state and deemed universities and institutions of higher learning in the country under the Eleventh Five Year Plan. (D. O. No. F.1-2/2008-XI Plan dated January 31, 2008 from the Chairman, UGC).
- Credit system involves breaking down the curriculum into measurable units that can be combined to get a degree/diploma.
- A credit is generally a value used to measure a student's work load in terms of learning time required to complete course units, resulting in learning outcomes.
- The number of credits awarded to a learner is determined by Credit Value or Credit Points assigned to a particular course.
- It is a way of expressing the 'learner's workload'. (Student's).
- One (01) credit is Twelve (12) learning hours.
- Credits once gained cannot be lost.

The definitions of the key terms used in the Credit Based Choice System

Program: Program is set of courses that are linked together in an academically meaningful way and generally ends with the award of a Certificate or Diploma or degree depending on the level of knowledge attained and the total duration of study. ponds to the word 'subject' used in many universities. A course is essentially a constituent

Course: A course corres of a 'program' and may be conceived of as a composite of several learning topics taken from a certain level. All the learning topics included in a course must necessarily have academic coherence that is there must be a common thread linking the various components of a course. A number of linked courses considered together are in practice, a 'program'.

Credit Point: Credit point refers to the 'workload' of a learner and is an index of the number of learning hours deemed for a certain segment of learning. These learning hours may include a variety of learning activities like reading, reflecting, discussing, attending lectures/counselling sessions, writing assignments, preparing for examinations, etc. Credits are assigned for a single Course and always pay attention to how many hours it would take for a learner to complete a Single course successfully. By and large a course may be assigned anywhere between 3 to 12 Credits where in one credit is construed as corresponding to 12 hours.

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Dnyan Ganga Edu. Trust's College of Education (B.Ed.) At Borivade, Kasar Vadavati Naka,

ORDINANCES, REGULATIONS AND CURRICULUM FOR THE DEGREE OF THE BACHELOR OF EDUCATION

Two Year B.Ed. Programme from the academic year 2017-18

Title: Bachelor of Education (B.Ed.)

Duration: Two academic years as Credit Based Choice System comprising of four semesters. The B.Ed. Programme shall be of duration of two years, which can be completed in a maximum period of three years from the date of admission to the programme

Eligibility: Following candidates are eligible for admission:

a) Candidates with at least 50 % marks either in the Bachelor Degree(three year programme) in B.A, B.Sc or 50% (49.50-49.99%) in post graduation and for the reserved category (ST,SC,OBC,VJNT 1,2,3) 45% (44.50-44.99%) will be eligible. For B.Com, Management, Engineering, Computer Science, Technology, Agriculture, BBI, Pharmacy, Law, Fine Arts Performing Arts, Music, Dance, Drama with 55% marks at graduation or post graduation will be eligible for open category and for reserved category 50%. Any other qualification equivalent thereof is eligible for admission to the programme.

b) The reservation and relaxation for SC/ST / OBC / PWD and other categories shall be as per the rules of the Central Government / State Government, whichever is

applicable.

A Candidate for the admission to degree of education (B.Ed.) must fulfil the eligibility criteria as per the directives of Government of Maharashtra from time to time. For the completion of the B.Ed. program the candidate must have:

(a) Attended four semesters of the full time Two year B.Ed. programme spread over a maximum period of three years from the date of admission in a College of Education.

(b) Attendance: The minimum attendance of 80 % for all Theory component work (Part A) and Practicum component (Part B) and 90 % for school internship.

(c) Completed the Practicum component and Internal Assessment assignments of each Theory paper of each semester as certified by the Principal of the Institution in which the candidate is studying.

Internal Assessment comprises of:

(All activities should be systematically documented and maintained for the purpose of Internal Assesment)

Semester 1

Assignments, Class test and Essay in each course Ability Course 1: Critical Understanding of ICT

Project Based Course 1(Community Work one week and Participation in CCA in college)

Semester 2

Assignments, Class test and Essay in each course Project Based Course 2 (Internship of 3 Weeks)

Semester 3

Semester 3

Assignments, Class test and Essay in each course Project Based Course 3 (Internship of eleven weeks)

Semester 4

Assignments, Class test and Essay in each course Ability Course 2: Reading and Reflecting on Texts

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Dnyan Ganga Edu. Trust's
College of Education (B.Ed.)
At Borivade, Kasar Vadavali Naka.

Project Based Course 4 (Internship of five weeks including community work and Action Research)

Any one Audit Course (Understanding the Self, Drama and Art in education) will be opted by student in Semester 1 and Certified in Semester 4

The Candidate should have successfully passed the Theory component of the course in accordance with the University guidelines.

O____Curriculum, Programme Implementation and Assessment Curriculum

The B.Ed. Programme is designed to develop attitude, skill and knowledge in the Student teachers. The curriculum of 2 years B Ed. programme shall comprise of the following components:

Part A: Theory component includes Core courses, Elective courses and Interdisciplinary courses.

Part B: Practicum component includes Project Based courses, Ability courses and Audit courses.

Part A: Theory component

- (A) Core Courses (CC)
- (B) Elective Course (EC)
- (C) Interdisciplinary Courses (IC)

Part B: Practicum component

- (D) Ability Courses (AB)
- (E) Project Based Courses (PC)
- (F) Audit Courses (AC)

Part A: Theory component

- Core courses: These are five courses which are to be studied by a student in two years
 - · Childhood and Growing up
 - · Knowledge and Curriculum
 - Learning and Teaching
 - · Assessment for learning
 - · Contemporary India and Education

2. Elective Course

Elective course 1 - Pedagogy of School Subject I

Select any One Course

	77		
i.	Commerce	vii.	Mathematics
ii.	Economics	viii.	Marathi
iii.	English	ix.	Science
iv.	Geography	x.	Sanskrit
٧.	History	xi.	Urdu
vi.	Hindi		

Elective course 2 - Select any One course from I or II or III

I) Pedagogy of School Subjects II

Select any One course - other than in Elective course 1

i. Commerce iii. English
ii. Economics iv. Geography

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History

Science

vi. Hindi

Sanskrit Urdu

vii. Mathematics

viii. Marathi

II) Peace Education

III) Education for Rural Development

Elective course 3 -

Special Fields (Select any one)

- 1. Action Research
- 2. Guidance and Counselling
- 3. Environmental Education
- 3. Interdisciplinary courses: Four courses, each in semester which are interdisciplinary in nature
 - Gender, School and Society
 - **Educational Management**
 - Language Across the Curriculum
 - Creating an Inclusive School

Part B: Practicum component

- 1. Ability courses: Prime focus is to enhance skill rather than the content, Two courses, it is to be studied in semester 1 and semester 4.
 - Critical Understanding of ICT
 - · Reading and Reflecting on Texts
- 2. Project Based Courses:
 - Internship
 - Community work (I & II)
 - Action Research
 - Participation in Co-curricular Activities in college
- 3. Audit courses: Student has to opt any one, spread throughout the 4 semester, will be certified in 4th semester only, by head of the institution.
 - Understanding the Self
 - Drama and Art in Education

Each student is required to opt for one course from Pedagogy of School Subjects I (Elective Course 1) in Semester 2 which must be with respect to the graduation degree on the basis of which the student is admitted.

Each student is required to opt for any one of the course from Pedagogy of school subject II or Peace education or Education for Rural Development in Semester 3 (Elective Course 2). For Pedagogy courses students should opt for another pedagogy which they must have studied at least one paper at their Graduation /Post graduation.

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1/c/Principal

Dnyan Ganga Edu. Trust's College of Education (B.Ed.) At Borivade, Kasar Vadavali Naka,

Semester wise details of Project Based Courses (Part B)

Semester I (All activities should be systematically documented and maintained for the purpose of internal assessment)

- Participation in Community work I in collaboration with schools/ NGO's (for a period of 1 week)
- Participation in Co-curricular Activities in college

Semester II (All activities should be systematically documented and maintained for the purpose of internal assessment)

Internship for 3 weeks

- ✓ Observation of school activities (Any three)
- Observation of lessons given by peers (5 lessons)
- Shadowing of School Teacher (One Week) 5 lessons to be observed and recorded in Pedagogy of school subject I
- Teaching lessons in Pedagogy of school subject I (5 Lessons)

Semester III (All activities should be systematically documented and maintained for the purpose of internal assessment)

Internship for 11 weeks

- During Internship teaching not less than 10 lessons in the opted Pedagogy of school subject I distributed over different standards from V to XII of recognized secondary and higher secondary Schools/ Colleges selected by the Principal as practicing School/ College
- 2 theme based lessons in the above school/college.
- 3 co-teaching lessons with school teachers
- Administration of Unit Test and analysis of results (in the pedagogy of school subject I onted)
- Maintain Reflective Journal with reference to internship program.

Semester IV (All activities should be systematically documented and maintained for the purpose of internal assessment)

Internship for 5 weeks (4 weeks +1 week community work II)

- Develop learning resources
- Conduct Action Research
- During Internship teaching not less than 5 lessons in the opted pedagogy of school subject II distributed over different standards from V to XII of recognized secondary and higher secondary Schools/ Colleges selected by the Principal as practicing School/ College. For those students who have opted Peace Education or Education for Rural Development they have to take 5 lessons from Pedagogy of school subject I.
- 5 Co-teaching lessons with peers
- ✓ Maintain Reflective journal with reference to internship program.
- ✓ Participation in Community work II in collaboration with schools/ NGO's (for a period of 1 week)

Programme Structure of B.Ed. 2 Years Programme

Year 1: 16-18 Weeks * 2 Semesters (200 Working Days)

Year 2: 16-18 Weeks * 2 Semesters (200 Working Days)

20 Weeks for Internship (18 +including 2 weeks Community work)

200 working days are exclusive of admission and examination period

Total Credits: 111; Marks 1800 (1 Credit = 12 Hours)

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No Principal Dnyan Ganga Edu. Trust's College of Education (B.Ed.) At Borivade, Kasar Vadavali Naka.

Courses	Credits	External Marks	Internal Marks	Total Marks
Semes	ter1		1	
Core Course 1: Childhood and Growing up	6	60	40	100
Core Course 2: Knowledge and Curriculum	6	60	40	100
Interdisciplinary Course 1 :Gender, School and Society	6	60	40	100
Ability Course 1:Critical Understanding of ICT	3		50	50
Project Based Course 1	3		50	50
Total	24	180	220	400
Semes	ter 2	.		
Core Course 3: Learning and Teaching	6	60	40	100
Elective Course 1: Pedagogy of School Subject 1	6	60	40	100
Interdisciplinary Course 2: Educational Management	6	60	40	100
Project Based Course 2	6		100	100
Total	24	180	220	400
Seme	ster 3			
Core Course 4: Assessment for Learning	6	60	40	100
Elective Course 2: Pedagogy of School Subject 2 /Peace Education/ Education for Rural Development (Any one)	6	60	40	100
Interdisciplinary Course 3: Language Across the Curriculum	6	60	40	100
Project Based Course 3	12		200	200
Total	30	180	320.	500
Seme	ster 4		***************	-
Core Course 5: Contemporary India and Education	6	60	40	100
Elective Course 3: Special Field Action Research/Guidance and Counselling/Environmental Education (any one)	6	60	40	100
Interdisciplinary Courses 4: Creating an Inclusive School	6	60	40	100
Ability Course 2: Reading and Reflecting on Texts	3		50	50
Project Based Course 4	9		150	150
Any one Audit Course(Understanding the Self, Drama and Art in education) will be opted by student in Semester 1 and Certified in Semester 4	1			
Total Credits	33	180	320	500
		100	220	300

Total Credits: 111; Total Marks 1800 (1 Credit = 12 Hours)

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COURSES AND CREDITS

Components	Courses	Credits
	 Childhood and Growing up (CC 1) 	
	ii. Knowledge and Curriculum(CC 2)	
Core Courses	iii. Learning and Teaching(CC 3)	30
	iv. Assessment for learning(CC 4)	
	v. Contemporary India and Education(CC 5)	
	Elective Course 1 Pedagogy of School Subject I -Select any one. (EC 1)	
	i. Commerce	
. 3	ii. Economics	
	iii. English	
	iv. Geography	8
	v. History	
	vi. Hindi	
	vii. Mathematics	
	viii. Marathi	
	ix. Science	
	x. Sanskrit	
	xi. Urdu	
	Elective Course 2 -Select any one from I or II or III. (EC 2)	
	I.Pedagogy of School Subjects II -Select any One course other than in	
	Elective course 1	
	i. Commerce	
Elective Courses	ii. Economics	18
	iii. English	
	iv. Geography	
	v. History	1
	vi. Hindi	
	vii. Mathematics	
	viii. Marathi	
	ix. Science	1
	x. Sanskrit	
	xi. Urdu	
	II. Peace Education	1
	III. Education for Rural Development	
	Elective Course 3 Basket of Special Fields -Select any One (EC 3)	
	i. Action Research	
	ii. Guidance and Counselling	
	iii. Environmental Education	
	i. Gender, School and Society (IC 1)	
Interdisciplinary	ii. Educational Management (IC 2)	1
Courses	iii. Language Across the Curriculum(IC 3)	24
000.303	iv. Creating an Inclusive School(IC 4)	24
	i. Critical Understanding of ICT (AB 1)	
Ability Courses	ii. Reading and Reflecting on Texts (AB 2)	6
	i. Internship	-
Project Based	ii. Community work	
Courses	iii. Action Research	
Courses		30
	iv. Participation in Co curricular Activities in college	
Audit Comme	Audit Courses (Select any one)	1
Audit Courses	i. Understanding the self (AC 1)	3
	ii. Drama and Art in Education (AC1)	
	Total Credits	111

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SEM-1	CREDIT S	SEM-2	CREDITS	SEM-3	CREDIT	SEM-4	CREDI
CORE COURSES(CC)		CORE COURSES(CC)	-	CORE COURSES(CC)		CORE COURSES(CC)	S
CC-1 Childhood and Growing up- 100 marks	6	CC-3 Learning and Teaching -100marks	6	CC-4 Assessment for Learning - 100marks	6	CC-5 Contemporary India and Education - 100marks	6
CC - 2 Knowledge and Curriculum - 100marks	6						
ELECTIVE COURSES (EC)		ELECTIVE COURSES (EC)		ELECTIVE COURSES (EC)		ELECTIVE COURSES (EC)	1
·		EC1 .Pedagogy of School Subject -1 (Select any one based on graduation subject) - 100marks	6	EC 2 .Pedagogy of School Subject II / Peace Edn./ Education for Rural Development (Any One) -100marks	6	EC3 - Special Field Basket Action Research, Guidance and Counselling, Enviornmental Education (Any One) - 100marks	6
RY COURSES (IC)		INTERDISCIPLINAR Y COURSES (IC)		INTERDISCIPLI NARY COURSES (IC)		INTERDISCIPLINAR Y COURSES (IC)	
IC1- Gender, School And Society - 100marks ABILITY COURSES	6	IC2- Educational Management -100marks	6	IC3 Language Across The Curriculum – 100 marks	6	IC4- Creating Inclusive Schools -100marks	6
(AB) ABI - Critical Understanding of ICT - S0 Marks Internal	3	ABILITY COURSES(AB)		ABILITY COURSES(AB)		ABILITY COURSES(AB) AB2 - Reading and Reflecting on Texts – 50 Marks Internal	3
PROJECT BASED COURSES PC1 Total 50 Marks		PROJECT BASED COURSES PC2 Internship of 3 weeks - Total 100 Marks		PROJECT BASED COURSES PC3 Internship of 11 weeks- Total 200 Marks		PROJECT BASED COURSES PC4 Internship of 5 weeks including Community work -Total 150 Marks	
a. Community Work Part I - 20 Marks (1 Week)	3	a.Observation of school activities- (Any Three) 3*5 Marks= 15 Marks		a. Lessons 10 Lessons*10 marks = 100 marks	a'	a. Learning Resource 1* 10 Marks= 10 Marks	
b.Participation in CCA in college -1*30 =30 Marks		b. Observation of lessons given by peers - (5 lessons) 5*4 Marks= 20 Marks	6	b. Theme based lessons- 2 lessons*10 marks = 20 marks		Action Research – 25 Marks	
	c. Shadowing of School Teacher 5 lessons (One week) 5*3 Marks = 15 Marks c. Co-teaching with school teachers J lessons X 10 murks = 30 Marks	12	Lessons – 5 Lessons *10 marks=50 marks	9			
		d. Lessons - 5 Lessons •10 Marks = 50 marks		d. Administration of Unit Test and analysis of results - 20 Marks		Reflective Journal on internship activities - 20 Marks	
				e. Reflective Journal on internship activities - 30 Marks		Community work - Part 11 20 Marks Co Teaching with peers 5 lessons*5 marks =25 Marks	
AUDIT COURSES (AC)		AUDIT COURSES (AC)	E CEDTIEIEN	AUDIT COURSES (AC) BY INSTITUTE)		AUDIT COURSES (AC)	
		Understanding the se	of, Drama and	Artin Education			,
707		t any one, spread throughout					3
TOTAL 400	24	TOTAL 400	24	TOTAL 500	30	TOTAL 500	33

The following are the syllabi for the various Courses.

Click here: First page

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LIST OF ACTIVITIES

1. A fundamental or coherent understanding of the field of teacher education

The college arranges motivational talks, invites lectures & success stories of educational thinkers etc. Various programmes like Diya painting, Rakhi making, Greetings cards making, etc. are organized in the college on various occasion. In order to inculcate social, moral, aesthetic & cultural values etc. the college organizes activities like community work, donation programs, visits, etc. Attitude like caring & kindness, willingness to share responsibility, sensitivity to student's diversity providing meaningful learning experiences etc. are developed among the students through various ways & means. For ex-smit old age home, shreerang anand ashram, bio diversity, Bal anaath ashram.

ACTIVITIES	DATE/ DURATION	NAME OF THE RESOURCE PERSON/MODERATOR/TEACHE R INCHARGE
National Seminar on New Vistas in Active Learning	14 Dec 2017	DGET College of Education
Hosted UDAAN Festival	16-17 Jan 2018	Collaboration with DLLE, Mumbai University
Workshop on Research Methodology	22 – 25 Aug 2018	ICSSR, University of Mumbai
Guest lecture on Language Across Curriculum	22 Sep 2018	Dr. Geetha Venkat
Guest Lecture on Assessment For Learning	29 Sep 2018	Dr. Vishambhar Jadhav
Cleanliness Drive	01 Oct 2018	At Yeoor Hills, Thane
Guest Lecture on Childhood and Growing Up	20 Oct 2018	Asst. Prof. Ankita Khati
National Level Seminar on Assessment	24 Nov 2018	DGET College of Education
Guest Lecture on Gender, School and Society	01 Dec 2018	Asst. Prof. Chitra Nair
Guest lecture on Knowledge and Curriculum	05 Jan 2019	Dr. Ketki Satpute
Career Vision Program	19 Jan 2019	Mr. Sachin Kadam
Guest Lecture on Environmental Education	09 Mar 2019	Mr. Chinu Kwatra (Aarna Foundation, Thane)
Exhibition on Awareness towards Transgender	23 Mar 2019	DGET College of Education
Self Defence Workshop for female students	13th, 20th, 27th July 2019	Organised by DGET Trust
National Level Conference on Entrepreneurship	31 Aug 2019	DGET College of Education
State level workshop on Nai Taleem- Experiential Learning	04 Oct 2019	DGET College of Education
Workshop on Lesson Planning	22 Feb 2020	DGET College of Education
International Women's day celebration week: Poster Making Fashion Show Lecture on Women Safety Felicitation Ceremony	01- 07 Mar 2020	DGET College of Education
Workshop on "Yoga for Immunity Building"	22 June 2020	Ms. Jayshri Paranjpe and Mr. Mukund Kale
National Level Webinar: "Digital Platform For Self-Employment in Academic and Skill Based Education"	10 July 2020	Dr. Jayesh Jadhav, Associate Prof. Chembur Sarwankash Shikshan Shastra Mahavidyalay
National Level Webinar-3 "Educational Institutions: Mission Begin Again"	29 Aug 2020	Dr. Prakash Ahire Officiating Principal P.E.S.'s College of Education, Farmagudi, Ponda- Goa
Workshop: "Entrepreneurship Skill Development Among Teachers"	16 Jan 2021	Dr. Shobha Mathew Assistant Prof. K.J. Somaiya College of Arts and Commerce, Vidyavihar, Mumbai
Workshop: Career Guidance Training for Pre-Service and In-Service Teachers	20 Feb 2021	Mr. Sachin Kadam Regional Manager, Miracle Foundation (India), Pune

Kasarvadavali Vaka, G.B. Road,

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Internation Women's Week Webinar Series Webinar:	01-08 Mar 2021	 Ms. Sonia Rana (ICSE Head) Dr. Jayashree Talele (Gynaec.) Dr. Kusum Choudhary (Associate Professor) Mrs. Neelima Patil (Associate Prof.) Mrs. Swati Kshirsagar (Jr. Auditor, Maharashtra Govt.) Dr. Akanksha Gawde (Associate Prof.) Adv. Ms. Sapna Pandey (Advocate, High Court) Prof. B.D. Patil
Cracking Competitive Exams (UPSC/MPSC/SSC)	10 1/141 2021	Founder Chairman, DGET
National Level Workshop: Art & Craft (under VENTEL cell, DLLE and Student Development Cell)	03 Apr 2021	Ms. Sailee Rawool Owner and Director of Sailee's Art Zone
National level online Workshop: "COVID Helpers' Skills for Student Community"	03 June 2021	Ms. Jayshree Jani MGNCRE Ministry of Education, Govt. of India
National Level Webinar: "Digitzation & Reading: The Way Ahead"	21 June 2021	Mr. Prahlad Jadhav Associate Director in Library and Knowledge Repository, Khaitan and company
National Level online Workshop: Drama and Education	31 July 2021	Asst. Prof. Keatan Jadhav P.E.S.'s College of Education, Farmagudi, Ponda- Goa
National Level Webinar: TET preparation	27 Sep 2021	Associate Prof. Dr. Suresh Isave Tilak College of Education, Pune
Online Workshop: "Enhancing your Teaching Skills with Teaching aids"	29 Jan 2022	Mr. Vikas Shukla Principal, Primary Section, Vikas English Medium High School, Bhiwandi, Thane
Workshop on "Career Guidance"	26 Mar 2022	Prof. B.D. Patil, Founder Chairman, DGET
Seminar on "Facing Competitive Exams"	09 Apr 2022	Prof. B.D. Patil, Founder Chairman, DGET
Workshop on Emotional Intelligence	07 May 2022	DGET's College of Education
Seminar: "Science and Technology in India: Past, Present and Furture"	26 Nov 2022	DGET's College of Education, under the aegis of MGNCRE, Govt. of India
Workshop on Mindfulness & Resilience	03 Dec 2022	Mannshakti Foundation Team
Talk on Safer Campus under Gender, School and Society	04 Feb 2023	 Mr. Sumit Pawar, Founder of QKnit Foundation Ms. Apurva Paithane, Volunteer at Qknit Foundation
Talk on Autism Awareness	11 Feb 2023	Butterfly Learnings
Seminar on Learning Resources	29 Apr 2023	Mr. Vikas Shukla Principal, Vikas English Medium School, Bhiwandi, Thane
World Population Day & World Youth Skill Day:	15 Jul 2023	DGET's College of Education's DLLE
Poster Making and Slogan Writing Competition	13 Jul 2023	unit, Mumbai University
Webinar on NEP 2020	27 Jul 2023	Dr. Swati Jagtap Asst. Prof. Sathaye College
Guest Talk on "Understanding the Self"	05 Aug 2023	Mannshakti Foundation Team
Self Defence Workshop by WDL	02 Dec 2023	Insp. Smt. Jaimala Vasave, Kasarvadvali Police Station
Free Medical Check-up Camp for senior citizens	16 Dec 2023	Dr. Umesh Alegaonkar (Sampada Hospital and Intensive Care Unit, Thane West)
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Action Research Session	23 Dec 2023	Dr. Yogita Mandole (Associate Prof. at Smt. Surajba College of Education)
Exclusive yoga and meditation sessions	Conducted every year on Yoga Day	Vala Foundation Mannshakti Team

2. Procedural knowledge that creates teachers for different levels of school education skills that are specific to one's chosen specialization

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SR	COURSE	ACTIVITIES
NO		
1	SEM II & III	Micro-teaching skills (5 Min)
		Set Induction: Engage students at the beginning of the lesson to capture
		their interest and attention.
	PROJECT	Questioning: Use effective questioning techniques to stimulate thinking
	Annual Control of the	and encourage participation.
	BASED	Explanation: Clearly explain concepts using simple language and
	COURSE II, III	examples.
	& IV	Chalkboard Writing: Use the chalkboard to visually represent
	,	information and key points.
	* :	Illustration with Example: Use real-life examples to illustrate concepts
		and make them easier to understand.
		Stimulus Variation: Keep the lesson engaging by varying stimuli such
		as visual aids, audio clips, or interactive activities.
		Integration Lessons (15 Min)
		Teach a lesson that combines elements from multiple subjects like
		English, Math, History, STEM, HASS, and the Arts around a specific
	EC1: Pedagogy of	theme.
	School Subject: -I	Theme-Based Lessons
2	(Select any one.)	Design a lesson plan focused on a particular theme, integrating content
	(based on graduation	from various subjects to provide a holistic learning experience.
	subject)	Co-Teaching with School Teachers
		Collaborate with another teacher to plan, deliver, and assess lessons
	W	together, providing support and different perspectives to enhance student
	EC 2 .Pedagogy of	learning.
	School Subject II/	
	Peace Edn./ Education for	I. Planning Visits, Exhibitions, and Assignments
	Rural Development	II. Getting Ready for Instructional Materials and Aids,
	(Any One)	Select two items from the list below:
	3	learning material/ Teaching Aids : charts/flash cards,graphs, posters,
		model
		III-Preparation for constructivist teaching and learning
		Lesson with Interactions:
	6	Plan and deliver a lesson where students interact with the teacher,
		peers, and multimedia/materials.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	v or
		• Conduct discussions or problem-solving activities relevant to the



	subject.
	Select a suitable topic, plan and conduct lessons using different Models of Teaching.to prepare/select self-learning materials
	Facilitate understanding of new/complex content through Explanation/Demonstration/ presenting audio-visual aids.

3. Capability to extrapolate from what one has learnt and apply acquired competencies

SR	COURSE	ACTIVITIES
NO		
1	Ability Courses Semester I	I Preparation of Multimedia Presentation
	Critical Understanding of	II: Reading and Thinking About the Text
	ICT (AB 1)	• Reading for understanding and responding to inquiries
	9	Watching media, observing a website and creating a summary
	Semester IV Reading and Reflecting on Texts (AB 2)	 Looking for information and Making a presentation in front of a group to read a book, article, essay, or research paper and provide an oral presentation that includes a summary of the content
2	Project Based Courses	Community work
,	Semester I and IV	we organise community work for various
	Community work	community centres
	Semester IV	✓ Smit Old age home
E	Action Research	✓ Shree rang Anand Ashram
		☐ Action Research
		☐ Done on various topics.

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4. Skills/Competencies such as: Emotional Intelligence, Critical Thinking, Negotiation and Communication Skills, Collaboration with

others, etc.

SR	Skills/	COURSE	ACTIVITIES
NO	Competencies		
1	Emotional Intelligence	Audit Courses Understanding the self (AC 1)	 ✓ Examining oneself: Values and self-image; ✓ Individual and collaborative self; ✓ Self-identity and self-formation; ✓ Teacher as a reflective practitioner; ✓ Write a reflective journal on one's own development
2	Critical Thinking	Ability Courses Semester I Critical Understanding of ICT (AB 1) Project Based Courses Community work	Examining an educational website, conducting an experiment, analyzing documents, and writing reports. At different locations
3	Communication Skills Interdisciplinary Courses	Gender, School and Society (IC 1)	 Reading a book about women's empowerment, gender issues, girls' education, or the life or autobiography of a successful woman Conduct a gender equality seminar.
4	Collaboration with others Core Courses	Childhood and Growing Up(CC1)	surveying two teenage females from distinct socioeconomic classes or a girl and a boy from the same social class
5	Develop Positive Attitude	Knowledge and Curriculum(CC 2)	Seminar Presentation Critical Writing
6	Understanding child psychology	Learning and Teaching(CC 3)	Experimental Psychology Psychological Tests
7	Understanding and implementing assessment system	Assessment for learning(CC 4)	 ✓ Prepare a Blue print and a test in the school subject opted for. ✓ Study and Compare the implementation of CCA of different school boards.
8	Recent educational issues and educational laws	Contemporary India and Education(CC 5)	✓ Critical analysis of an educational film ✓ Report on the Educational Challenges of Deprived /Marginalised group of Children
9	Skill and technique of	Elective Course 3 Guidance And	Visit and report of a visit to any one

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	understanding basic issues of children and addressing them to the main stakeholder	Counselling	place (Employment exchange, Guidance Bureau, counselling centre) ✓ □ Career Dissemination Session for school or junior college (any two careers)
10	Environmental awareness for sustainable future.	Elective course 3 (EC 3) Environmental Education	 ✓ Awareness activity in the community/school regarding various environmental issues through an exhibition or display. ✓ Generating awareness about Environmental Values depicted in ancient religious philosophies through story telling in the class.

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Photographs to support the claim

DEMO PLAN OF THE TEACHER



DNYAN GANGA EDUCATION TRUST'S COLLEGE OF EDUCATION (B.ED.)

ACADEMIC YEAR- 2020 - 2022

THEME BASED LESSON PLAN (ROUGH)

NAME OF STUDENT TEACHER: MS. RACHANA DAS

STD.: VIII DATE: 28/10/2021

THEME: WATER

THEME: WATER			
SUBJECT 1: Mathematics	TOPIC: Volume		
SUBJECT 2: History	TOPIC: Satyagraha		
SUBJECT 3: Science	TOPIC: Properties of water, reactions		
SUBJECT 4: E.V.S.	TOPIC: Rain water harvesting		
SUBJECT 5: Geography	TOPIC: Farming and their types		
SUBJECT 6: English	TOPIC: Poem - The Cloud		

PREVIOUS KNOWLEDGE / ENTRY BEHAVIOUR:

The pupil is aware about importance of water, its chemical structure & properties. Pupil is also aware about the volume of cylinder.

VALUES	LIFE- SKILLS
1. Saving water (RWH) 2. Equality (satyagraha at Mahad) 3. Sharing (satyagraha at Mahad) 4. Doing right things in life (good manners)	1. Interpersonal relationships (helping each other) 2. Critical thinking (relation between study of cone & cylinder)
CORE ELEMENTS	REFERENCES
B .	The state of the s

- Protection of environment
- Conservation of natural resources (Measures to save water)
- Std. VII Text Books.
- Wikipedia (info about poet)
- Google images

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LEARNING RESOURCES (Teaching aids):

PowerPoint, Videos, Images

RATIONALE

Water being an essential part for all life forms, it is important to save water. Teacher feels that Std. VIII students are at a perfect age and have attained the maturity to understand why and how water has to be conserved. Moreover, since water scarcity and crisis are a major issue faced by us in our daily lives. Hence, the teacher feels the need to take up water as a theme for the session. Also, various subjects in Std. VIII gives the scope to bind the theme together.

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INSTRUCTIONAL OBJECTIVES	LEARNING OUTCOMES
REMEMBERING	→ The pupil recalls the chemical composition of
The pupil acquires knowledge of	water, rain water harvesting, different types of
various types of chemical reaction,	reaction and various freedom fighters.
types of farming,	The pupil describes about the situation of
rain water harvesting,	Dalits and untouchables in old times.
satyagraha at Mahad,	→ The pupil states various types of chemical
the poem cloud and volume of cone.	reactions.
	The pupil labels various apparatus from the
TAMEROE LAMBAG	picture of distillation.
UNDERSTANDING	→ The pupil recognizes the type of reaction in
The pupil understands about	formation of water.
various types of chemical reaction,	→ The pupil associates the volume of cylinder
types of farming,	with volume of cone.
rain water harvesting,	→ The pupil explains rain water harvesting.
satyagraha at Mahad,	The pupil reviews the situation of Dalits and
the poem cloud and volume of cone.	untouchables in olden times.
	→ The pupil describes about the cloud in the
	para of the poem.
APPLYING	→ The pupil solves the sum of volume of cone
The pupil applies his knowledge and	
understanding of	1
chemical reactions,	→ The pupil chooses the type of reaction in
	formation of water.
types of farming,	The pupil classifies various types of farming.
volume of cone and cylinder,	→ The pupil predicts the probable solution to
satyagraha,	conserve water.
vocabulary in various situations.	→ The pupil predicts their expected behavior to
	stand for the right cause as freedom fighters.
- 1	The pupil predicts the meaning of the
	difficult words in the para of the poem
ANALYSING	→ The pupil distinguishes between various
The pupil analyses	types of chemical reactions.
the formulae of cylinder and cone,	The pupil illustrates the use of distilled water
types of farming,	in various situations.
solutions for water conservation,	→ The pupil infers the solutions for
satyagraha at Mahad,	conservation of water.
process of distillation,	
types of chemical reactions and	→ The pupil connects with situation of
the para of the poem the cloud.	untouchables and Dalits in olden times.
the para of the poem the cloud.	→ The pupil corelates with the helping nature
÷ -	of cloud in the poem.
	→ The pupil corelates between the formulae of
	volume of cylinder and cone.
EVALUATING	→ The pupil evaluates the his/her answer after
The pupil evaluates	solving with the teacher.
the formulae of volume of cone,	→ The pupil concludes the process of
process of distillation,	distillation.
types of chemical reaction,	→ The pupil interprets the type of chemical
the meaning of the para of the poem The	reaction for formation of water molecule.
Cloud.	
and the second second	The pupil interprets the message given in
	the para of the poem the cloud.

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CREATING

The pupil creates a method to solve volume of cone and cylinder together in the given problem.

→ The pupil combines the formulae of volume of cone and cylinder for solving the sum.

SET INDUCTION:

- Tr. Good Morning Students
- P. Good Morning Teacher
- Tr. Today we are going to learn something interesting. The Teacher starts the session by solving a riddle. Tr. Displays the riddle on the white board / ppt.
- RIDDLE: THREE LIVES HAVE I. GENTLE ENOUGH TO SOOTHE THE SKIN. LIGHT ENOUGH TO CARESS THE SKY, HARD ENOUGH TO CRACK ROCKS. WHAT AM I?
- Tr. Read the riddle in your mind and try to guess the answer, raise your hand if you have guessed it.
- P. WATER Tr. Why do you think the answer is WATER?
- P. Because, Water has 3 phases/lives, (ice, water, vapour), it is gentle to the skin and it caress the sky. It can also break rocks.

LINKING STATEMENT: So, everyone agrees that the answer is WATER?

Tr. – What is the most important word that comes to your mind when you hear water? (Tr. Writes the answer on C.B. and has a discussion over importance of water)

STATEMENT OF AIM: Since you all think that water is very important for our lives and we should save water as much as we can. Today, we are going to study some important facts and stories on WATER.

Tr. goes and writes the theme on C.B.

Content Analysis	Teaching	Student Teacher's	D 12 1 1 1 1 1
	Methods/	Activities	Pupil's Activities/
		Activities	Responses
	recumque		
SUB.: SCIENCE TOPIC: CHEMICAL REACTIONS AND THEIR TYPES • Water is a chemical compound. Its chemical formula is H ₂ O H • It is formed by chemical reaction between oxygen and hydrogen. • There are 3 types of chemical reactions:- 1. Combination Reaction — A reaction in which a single compound is formed from two or more reactants is called combination reaction.	PPT, Questioning skills	Tr. – What is the chemical formula of Water? Tr. – How are H ₂ and O ₂ atoms arranged in a H ₂ O molecule? Tr. – How is water molecule formed? Tr. – So what land of reaction it follows? Tr. – What are the different types of chemical reaction? Tr. – What happens when H ₂ & O ₂ combine? Tr. – How will you pen it down? Tr. – What are chemical reactions? Tr. – What are chemical	P. – H ₂ O P. – Answers(H P. – By combining O ₂ & H ₂ atoms. P. – Combination reaction. P. – 1. Combination 2. Decomposition 3. Displacement Reaction P. – Water (H ₂ O) is formed P – Writes in book P. – Reaction between 2 atoms. P. – A reaction is
$2H_2 + O_2 \rightarrow 2H_2O$		equation?	written in the form
2. Decomposition	*	-dention:	
Reaction - Reaction in		Tr Write the equation	of an equation.
which substance is		for formation of H ₂ O	$P_1 - H_2 + O_2 \rightarrow$
		0.11.0	H_2O

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broken down into 2 or more substances. $2H_2O \rightarrow 2H_2 + O_2$		Tr. – Balance the equation	$P2H_2 + O_2 \rightarrow$
	1	T- T-1 -1 -1	2H ₂ O
3. Displacement Reaction		Tr. – Explains about other types of reaction and	P. – Observes & answers
Reaction in which 1 constituent displaces		writes its equation on C.B. Tr Now, suppose we	P. – We will take
another constituent. $Zn + 2HCl \rightarrow ZnCl_2 +$	¥	want water for some important lab	distilled water.
H ₂		experiment, which water	
SUB.: SCIENCE		will you prefer, tap water or boiled water?	
TOPIC: PROPERTIES OF SUBSTANCES		Tr Why?	P Because it is free of impurities
SUB TOPIC: DISTILLATION		Tr How do we obtain	
Distillation is the process in		distilled water?	process of distillation
up to its boiling point and	Lecture cum lemonstration	Tr Displays the picture	P. Observes &
then, its vapour is cooled to	27	of distillation process & explains in detail.	listens
ĝ	Questioning skills	Tr Where else distilled water used?	P. – In Batteries
		Tr Now, suppose we	. In Dutteries
		have a cylinder full of distilled water & we	
A. marrie		don't know how much water we have. How do	2
		we calculate the amount of H.O?	10
SUB.: MATHEMATICS		Tr. – If $r = \pm m \& h = 1\pm m$, then what will be	P. – Solves Vol. of cylinder =
SURFACE AREA	Problem solving	the volume of cylinder?	πr ² h = 22/7 ×4 × 4 ×
SUB TOPIC: VOLUME OF CYLINDER & CONE	method	-	14
Volume of cylinder = $\pi r^2 h$		Tr:- If we have a cone	= 704 m ^o P:- Observes and
Data:- r = 4m, h = 14m To find:- Vol. of cylinder =?	Questioning	and a cylinder of the same 'r' & 'h', what is	answers.
Solution:-		the relationship between	Vol of cone = $\frac{1}{3}$ × Vol. of cylinder
Volume of cylinder = $\pi r^2 h$ = $\frac{22}{7} \times 4 \times 4 \times 14$		them? Tr:- Plays the video &	
= 704 m²		questions. Tr:- Solve the given	P:- Solves:
Volume of cone = $1/3 \pi r^2 h$ Data:- r = 10cm, h = 21cm		sum. Data:-	Volume of cone = 1/3 πr² h
To find:- Volume of cone = ? Vol. of cylinder = ?		r = 10cm, h = 21cm	= 1/3 ×22/7 ×10×10×21
Solution:- Volume of cone = 1/3 πr^2 h		To find:- Volume of cone = ?	= 2200 cm ⁸
= 1/3 ×22/7 ×10×10×21		Volume of cone = ? Vol. of cylinder = ?	Volume of cylinder = 3 × Vol of cone
= 2200 cm² Volume of cylinder = 3 ×			= 3 × 2200 = 6600 cm ^a
Volume of cone = 3 × 2200 = 6600 cm ⁶			N .
5 % 2250 = 5500 Cm			
		EDUCAS	

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SUB: GEOGRAPHY		Tr:- Displays the image of earth and asks, since, 71% of	P:- Only 1% of fresh water.
TOPIC: FARMING AND ITS TYPES → 71% of Earth's surface is	Description	earth is covered by H.O is usable? Tr:- Suppose, if we face	
covered with WATER. → Out of that, we have only	Questioning Concept map	crisis because of lack of water, what must be the condition of farmers?	P:- Reflects.
1% of fresh water from our use and consumption. Agriculture being our main		Shouldn't we save H ₂ O? Tr:- So what can we do at individual & group	P: We should save
occupation, Farmers face a lot of difficulties due to water scarcity. Following are the types of farming:		level to conserve water. (Teacher tries to inculcate the value of	water whenever, wherever possible.
		saving water and core element – conservation of resources.)	
The state of the s		Tr. Explains the various types of farming farmers conduct. Tr. Knowing about	P: Listens and learns
		water scarcity, how can we contribute in conserving water?	P:- We can do,, RWH.
SUB: E.V.S. TOPIC: RAIN WATER HARVESTING	Questioning	Tr.:- Writes the points and later explains what is RWH.	P:- Listens and understands
There are various measures to	Discussion	Tr: What is rain water harvesting?	P: Answers
conserve water, one of which is RAIN WATER	Explanation		
HARVESTING	Using Picture	Tr.:-Now, don't you think we are lucky enough and have freedom to drink and	
		share water with everyone? Suppose, you are	P:- We will give
Storing and purifying rain		travelling and suddenly a thirsty person asks you for some H ₂ O, what will you do?	that person our H-O.
water from roof tops for later		Tr:- Very good. Nice	
usage.		habit. (Tr. tries to inculcate the	82
SUB:- HISTORY TOPIC:- STRUGGLE FOR SOCIAL INEQUALITY	я	value of sharing and life skills of interpersonal relationship. We should	
SUB - TOPIC:- DALIT MOVEMENT		always help a person in need.) But this wasn't the case	
The social structure of India was based on inequality. There	Explanation	few decades ago	
were many social reformers who fought against inequality.	Discussion		
		SN FDUCA	

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\rightarrow	Dr. B. R. AMBEDKAR was
mo	ost effective and eminent
am	iong all.

- → Dr. Babasaheb Ambedkar aimed at establishing a society based on the principles of liberty, equality and fraternity.
- → He was convinced that the injustice to Dalits and inequality would not end unless the caste system was entirely rooted out.
- → It is from this point of view, he founded "BAHISHKRUT HITKARNI SABHA" in July 1924, which inspired followers with the message, "GET EDUCATION, GET UNITED & FIGHT".

Babasaheb Role → got bill

passed in Mumbai Provincial Assembly whereby the public water reservoirs were to be opened to untouchables. But it remained out of reach for Dalits.

- → Dr. Ambedkar & his followers staged a Satyagraha at the CHAYDAR LAKE IN MAHAD on 20th March, 1927.
- → Many people followed him, flyers were made and published, many freedom fighters wrote inspirational poems on Satyagraha.

Questioning Reflection

Tr.:- Do you know that few years back there were communities who were not treated equally, can you name them? Tr.:- Yes, they were not even allowed to drink lake water. Then a great social reformer worked for the upliftment of Dalits. Can you name who he was? Tr.:- Very good Tr. then explains about Satyagraha at Chavdhar Lake, Mahad. Tr.:- All people from various villages and Bahishkrut Hitkarni Sabha joined in this Satyagraha. It was for equal rights of Dalits to drink water

from lake.

Tr.:- So, you see how lucky we are to stay in such an environment where there are no such inequalities. All thanks to those social reformers.

We should also stand for the right always.

(Tr. inculcates the value of doing the right thing.)

Tr.:- Not only people participated in that Satyagraha but also motivated each other writing poems. Poems help us to express our feelings in a beautiful manner. One such poem in your English textbook talks about our today's topic WATER. As you all said, water can be in various forms vapour, water, cloud, dew etc. Lets see

P:- Dalits, untouchables.

P:- Dr. B. R. Ambedkar

P:- Listens and understands

P:- Listens and understands

P:- Yes, teacher

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SUB:- ENGLISH		a para of the poem THE CLOUD by	
TORIC: POEM "TITE		•	
TOPIC:-POEM-"THE		Percy Byssshe Shelley.	_ , ,
CLOUD"		Tr. displays the picture	P:- observes and
	Explanation	of poet and gives	understands
PARA 1:-	Questioning	information about him.	
I bring fresh showers	Reflection	Tr. then asks pupil to	P:- reads
	Reflection	read the 1st para	
and laugh as		Tr. then asks them to	P:- Reads
pass a thunder.		silently read the poem.	
VOCABULARY:		Tr.:- Explains that, the	
WIELD - hold and use as a		poet has described and	P:- Listens and
weapon		written the poem with	understands.
FLAIL - harsh and heavy		the perspective of cloud,	- = -
beating (of hail)		as of the cloud is	
		speaking	
		so on	P:- Answers
			1 MIRWEIS
1		Tr. then takes up	5 × -4
ł	_	vocabulary words.	
			•
9		Tr. ends the tg. lg.	
1		session and proceeds	b.
,		for recap.	
CLOSURE			

CLOSURE

CONCLUSION:

So, today we have studied various aspects of water w.r.t. its chemical structure and composition, Types of reaction, Distillation, Volume, Rain water harvesting, Satyagraha at Mahad and Poem – The Cloud

RECAPITULATION: WATER

- → Chemical Structure: H2O
- → Types of Reaction:- Combination, Decomposition, Displacement
- → Distillation:- Process of obtaining distilled H₂O
- \rightarrow Volume of cylinder = $\pi r^{\epsilon} h$
- \rightarrow Volume of cone = 1/3 πr^2 h, how are both related
- → Farming and its types
- → Rain water harvesting and recaps in brief
- → Satyagraha by Dr. Ambedkar at Mahad
- ightarrow The Cloud (one para), gives the central idea of the poem

PROCESS OF TESTING / EVALUATION:

Teacher asks the following questions: -

- Q.) What is the chemical equation for formation of H₂O?
- Q.) What is distillation? Describe the process.
- Q.) What will you do to save rain water? How?
- Q.) What is the formula for volume of a cone?
- Q.) What is the relationship between volume of cylinder and volume of cone?
- Q.) Describe the Satyagraha at Mahad.
- Q.) What did the poet try to explain in the poem?

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ASSIGNMENT: Each student will note down and complete one assignment according to their roll nos. i.e. from 1 to 6, then again start from 7 to 12, 13 to 18, 19 to 24 and so on in sequence of the given questions.

- 1. Write 2 examples of each type of chemical reaction.
- Which method will you use to obtain salt from sea water in salt pans Evaporation or distillation?
- 3. Find out the relation between volume of cone and sphere.
- 4. What are the steps you will take to set up RWH project?
- 5. Enlist the various periodicals started by Dr. Ambedkar to bring social awakening.
- 6. List down the figures of speech used in the poem, "The Cloud"

WRITING BOARD SUMMARY

Date 28/10/2021

THEME_WATER

Std. VIII

- →Chemical formula of water H₂O Types of Chemical Reaction Combination, Decomposition, Displacement
- →Distillation:- Process of obtaining distilled H₂O



- \rightarrow Volume of cylinder = $\pi r^{\epsilon}h$
- \rightarrow Volume of cone = 1/3 $\pi r^2 h$, how are both related

Data:- r = 10cm, h = 21cm

To find:- Volume of cone = ?

Vol. of cylinder = ?

Solution:-

Volume of cone = $1/3 \pi r^2 h$

 $= 1/3 \times 22/7 \times 10 \times 10 \times 21$

= 2200 cm⁵

Volume of cylinder = $3 \times \text{Volume}$ of cone

 $= 3 \times 2200$

= 6600 cm*

→ Farming and its types



→ Rain water
harvesting
Storing and purifying rain
water from roof tops for
later usage.



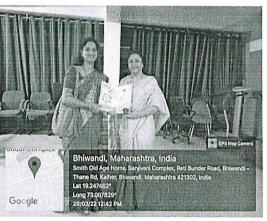
- → Satyagraha by Dr. Ambedkar at Mahad
- BAHISHKRUT HITKARNI SABHA" in July 1924
- Dr. Ambedkar & his followers staged a Satyagraha at the CHAYDAR LAKE IN MAHAD on 20th March, 1927.
- ightarrow The Cloud (one para), gives the central idea of the poem
- I bring fresh showers and laugh as pass a thunder.

WIELD - hold and use as a weapon

FLAIL - harsh and heavy beating (of hail)

Photographs indicating the participation of students, if any





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Expert talk on Research Guidance









Workshop on Learning Resources

