



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

*“Innovative Teaching Ideas in
Classroom”*



VOLUME-2

SESSION 2021-22

“For all students to excel, teachers must learn about them and connect with each child. This is not just about finding out how they learn, but it”

- George Couros

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TERRIFIC

ENERGETIC

ABLE

CREATOR

HARDWORKING

ENTHUSIASTIC

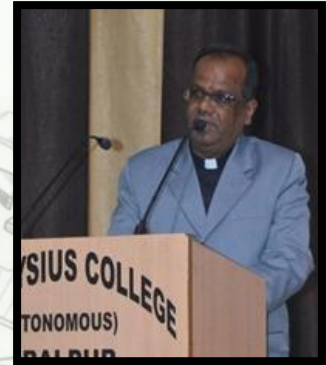
REMARKABLE

FROM PRINCIPAL'S DESK

“The best teachers are those who show you where to look, but don't tell you what to see”

~ Alexandra K Trenfor

A teacher has a mammoth task in hand when a teacher enters in the classroom to teach the students: to make them understand what they learn and increase their capability to know and appreciate the world around them. Sometimes this whole process might feel monotonous for the students as the concepts at time become monotonic lectures. Such large input of knowledge cannot be processed altogether by the child. In such a case it is the duty of the teacher to make the syllabus simple and understandable for the students. So, as to make them fathom the basic concepts.



In order to do this, teachers are always equipped with various tactics, activities and project work so as to make the child appreciate what he is learning. However, with changing times, these steps, tricks and methodologies also get modified. The child's interests, aptitude, capabilities and understanding have to be taken care of too while considering any methodology. Additionally, the teacher must, also count in the factors about the subject which he/she will be teaching that which method might suit what. Different innovative techniques teachers and methods are useful and fruitful such as Audio-Visual material lesson outside classroom. Incorporating games and puzzles, Brainstorming etc.

Our Prime Minister Shri Narendra Modi once said “Teachers play a big role in shaping students. Mother gives birth. The Guru gives Life.” Hence when the teachers are bestowed upon with immense duties of giving life to a student, the inclusion of various practices to make the learning methods, would be able to cooperate with the teacher more and would contribute to the shaping of the society into a group of ideal and dutiful citizens.

The second section of the newsletter consists of various articles written by the students of our college. They have listed their ideas and views on the innovative teaching methods in classrooms. This has helped the institute get a better understanding of student's needs in the sphere of education.

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“Editorial: Teacher - A Creator”

-Nansy Singh Bhadouriya



Teaching is the profession teaches other professions too. Nowadays we are emphasizing on professional skills and innovative ideas of a teaching. In the classroom, many students, and the teacher is supposed to communicate with different method and approaches. Teacher is a superpower but even a teacher is human and sometimes they are not able to communicate with all the students. Where "think pair and share" method is used, in this method students can be paired according to criteria of a subject, while keeping some things in mind like the pros and cons of that pairing.

"Think Pair and Share" is the wider part of cooperative learning. This method can solve issues related to not just studies but students' mindsets also. Think pair and share is helpful in every subject. Some of the positive impacts of this idea are as follows:

- ❖ It will help a student to put their opinions about lessons and class with their partners.
- ❖ It's an effective learning method. Human mind keeps information for a long time if it was in conversation or visual form.
- ❖ Students won't feel tangled up alone as they know their partner might be able to help.

There are so many survey reports stating the fact that students feel lonely and are not able to handle all the pressure of studies. This, think pair and share, a method under the cooperative learning will again make studying a process of learning and gaining knowledge and not just filling minds with the words and facts.

A hand holding an open book with a lightbulb and various educational icons floating above it. The icons include gears, arrows, charts, and a magnifying glass, symbolizing learning and creativity.

"Creativity is now as important in education as literacy."

- Sir Ken Robinson

“Flipped Classroom”

- Anamika Sharma



"Teaching is an intimate contact between the more mature personality and a less mature one" - HC Morrison Flipped learning is a methodology that helps teachers to prioritize active learning. During class time by assigning students lecture materials and presentations to be viewed at home or outside of class.

The increasing development of digital technologies and their application in education facilitates new learning ecologies that offer students new web-based learning opportunities and resources. This rapid spread of interactive technologies has facilitated the adoption of innovative approaches in higher education that help to promote collaborative learning, exploration, and research in online networked learning environments. It is in this context that alternative approaches to teacher-centered instruction have arisen and made a breakthrough in tertiary education.

Leads of flipped classrooms/learning:

- ❖ The flipped classroom model provides more time for one-to-one between the lecturer of teacher and students.
- ❖ This means the students have more time to ask questions or ask for help if there are any issues.
- ❖ More group work or student collaboration/interaction time

- ❖ Students have more group work or student collaboration time to cover subject activities, discussions and peer reviewing.
- ❖ Self-paced learning
- ❖ Student learning can be self-paced to help them learn at their own pace and in their own time. This can be particularly effective for slower learners.
- ❖ Students are more engaged with flipped classrooms or lectures as they are researching, completing activities or discussing the subject. With traditional teaching, the teacher would generally be providing all of the information to them.
- ❖ Deeper subject understanding

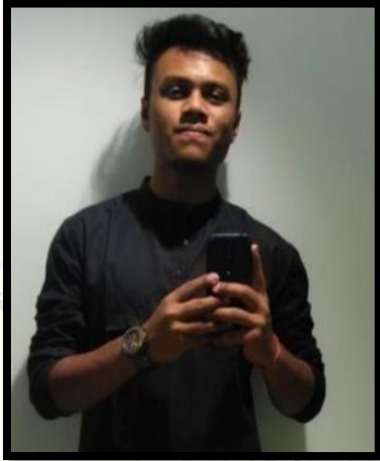
As students are researching and discussing themselves, the students gain a deeper understanding of the subject and related subjects.

“A Classroom is a learning space in which both children and adults learn”



“Innovation with the Changing Era”

- Biplu Kumar Das



The biggest challenge for any teacher is capturing each student's attention and conveying ideas effectively enough to create a lasting impression. As a teacher, to tackle this challenge effectively, one should implement innovative ideas that make the classroom experience much more lovable for your students. Teacher's build the spirit and nature of the room. Innovative teaching ideas, which support learning, questioning, exploring, and taking risks, form the foundation of innovative education. The impact of innovation in education has been huge; the

inclusion of technology has redefined education in more ways than imaginable. Today we will be looking at some innovative teaching methods that teachers can use in their classrooms to make their lessons more meaningful and interesting. Let's take a look at some of the innovative teaching methods:

1. Inquiry-based learning

In a classroom students research a topic then present their findings inquiry based learning allows students to learn deeper and wider than before. In traditional teaching students are less likely to ask a question and are expected to listen and answer questions posed by the teacher.

2. Teaching outside the classroom

If the weather is nice to consider, take your class outdoor for a while. Try teaching a lesson in an alternate location, like a nearby museum, park, cafe. A change of venue almost always inspires a new perspective and creative thinking.

3. Storytelling

Stories have a way of penetrating the student's mind and staying with them for a longer duration. No matter what grade you teach, incorporating the storytelling method will show a marked increase in understanding the concepts better, they will be able to connect with the lesson and relate to it. A complex mathematics' problem can be made easy if you build a story around it.

“Innovative Strategies”

- Khushi Verma



When students are engaged with the lesson being taught, they learn more and retain more. Students who are engaged in the work tend to persist more and find joy in completing the work. You may ask the question "What types of work are engaging?" we know that the students prefer work where they can have hands-on activities and gets to collaborate with their peers.

We shall discuss some of the innovative teaching strategies that can engage students. These strategies or ideas encourage students to use their imagination

to dig deep when engaging with the content of the lesson. -INQUIRY BASED LEARNING: One of the most powerful teaching strategy is inquiry based learning as research tells us that students learn best, when they construct their own meaning. It triggers the students' curiosity. Teachers act as facilitators during the learning process.

-QR CODES: It means Quick Response. Codes are easy to create and have multiple uses in classrooms at all grade levels. QR codes can lead students to information just by scanning the code on a student's device. It allows them to access the information without leaving their seats.

-PROJECT BASED LEARNING: This type of strategy uses real world scenarios, challenges and problems to engage students in critical thinking, problem solving session, teamwork and many more. Once the students learn to solve the problems, they can present their solutions anywhere.

JIGSAWS: It is a “tried and true” cooperative learning strategy that helps students to create their own learning. Students are arranged in groups and assigned different piece of information. In their groups, they learn the information well enough to be able to teach it to another group. So, these techniques will allow students to solve problems, challenge themselves, and present their findings to others. Student’s engagement builds on curiosity, interest, passion and attention. All these strategies/ideas showcased incorporate several of these needed items for the student’s activity.

“Objective and Subjective Teaching”

- Darshana Upadhyay



The learning method of each single person begins the day as they are born because learning is an indispensable part of every person's life and with time it needs evolvement so that the real potential of every human being can be discovered. This learning method starts with education which we get through our mentors, teachers, guardians, etc. The formal education which we get in schools, colleges or any training institutions should reach us in a way which should be very engaging and interesting too. The methods which are in use now can be changed a bit because a small change in teaching methods would surely bring a profound effect on the overall performance of students.

Students don't take teaching as a burden and rather enjoy the teaching. The teaching sessions should be more objective rather than subjective. Yet objective teaching would help students to discover their hidden strengths and talents which they cannot find out in subjective teaching. To make learning more flexible teachers can divide students into groups and can provide them with specific topics and then a particular period can be assigned to all groups so that they can pen down their views, opinions, perspective and after the time gets over the teacher can ask these groups to come and sequentially elaborate on the topic in they were assigned to.

In this manner, students would learn many things, and they would in a way become experts, and their speaking and listening skills would also improve. If teachers would follow this method then the learning would become cooperative to serve the extent as teachers would also indulge themselves with the students. The teaching can also have a day or two fixed for project-based learning and Power Point presentation-based learning because these methods have multifaceted benefits every student can be provided with a particular topic which can be subjective or objective to be prepared for projects or PowerPoint presentations. In this way, students would gain a greater amount of knowledge and their retaining power would reach a commendable level. They would know every aspect very deeply and in the future, they would surpass the level of expectation which would lead them to greater places in their career.

“Cooperative Learning”

- Simar Kapoor



Teaching has always been an integral part of a student's life. Right from the beginning, the method and ways of teaching impact the overall development of a child. In current times, practical knowledge is equally important as learning. Thus, the traditional system of education needs to be updated in order to groom the children better. Rather than concentrating on bookish knowledge and a student's ability to mug up things; schools and colleges should focus on interactive programmes and activities that ensure the holistic development of a student.

Cooperative learning is one such method of teaching which helps in the development of communication skills among students. Its main aim is to organize activities in the classroom that will help students interact with each other. The idea behind cooperative learning is to organize students into groups and help them achieve their academic goals. This way, students will be able to work together as a team and build several qualities like being cooperative, leadership skills, putting forward their views, etc.

Cooperative learning can be of two types- Formal and Informal. Formal cooperative learning strategies include the Jigsaw Technique, Assignments involving group sharing and decision making, Experiment assignments and Peer work review that involves editing. Informal cooperative learning involves the formation of groups of students and organizing discussions on particular lessons. Thus, we can say that it is necessary to incorporate new and advanced teaching practices for students. Interactive activities should be conducted to ensure their overall development.

“Importance of Innovation in Education”

- Neelam Mishra



Education is the foundation of our economy. What we learn in school determines who we become as individuals and our success throughout our lives. It informs how we solve problems, how we work with others, and how we look at the world around us. In today's innovative economy, education becomes even more important for developing the next generation of innovators and creative thinkers. However, there is a significant gap between the potential of modern education and what many students are learning. The adoption and exploration of innovative ideas in education are often slow.

Instead, many educators still cling to an old and increasingly ineffective method of teaching, but as the great poet William butler yeats once said: "education should not be the filling of a pail, but the lighting of a fire." Using innovative teaching methods to better serve students and to teach them about the benefits of the pail. Innovative thinking does so much more than just filling the pail.

Benefits of Technology in the classroom:

There is quite a bit of evidence that technology when used in the right way helps students learn. One study for exams showed that a medical school class with I pads scored 23% higher on exams than classes without these devices. When we talk about innovation nowadays, we usually think of technology. However, in a field such as education, it's just as important to focus on innovation in an area such as child psychology, learning theories, and teaching methods. Technology and other changes in society demand innovation and education. Innovation isn't just important for businesses. In many ways, education stands to benefit the most from both utilization and teaching. Innovation in the classroom can be done by exploring new and better ways to educate students and also teaching the skill.

“Self Regulated Learning”

- Priyanshu Dixit



Rudyard Kipling rightly said: "If history were taught in the form of stories. It would never be forgotten". Self-Regulated learning ensures that students are proactive in their learning approach, think positively, and empower themselves in developing lifelong learning skills. As one of the most popular trends in education in a flipped classroom, type of blended learning approach, face to face interaction is mixed with technology;

1. Watch an online lecture
2. Review the online course material
3. Read the digital text, performs research
4. Participate in online discussion, debate, presentations.

"Reviewing materials beforehand and turning a lecture into an interactive working session's yields statistically significant improvement in engagement, test scores, mock exam, and overall long term learning".

“Creative Teaching”

- *Garima Pathak*



For a creative teaching, teacher takes the help of tools to stimulate creativity. Include playful games or forms of visual exercises that will excite young minds and capture their interest. This is a time-tested method to identify every young student's creative abilities and encourage creative contributions. Bring aspects of creativity into all your subjects, be it mathematics, science, or history.

The solution to a problem can be approached through different modes or techniques. Convergent and Divergent thinking is positive but both can be used to reach a solution differently. Whereas the convergent approach means starting from different possibilities of solutions and striking off all, but one to finalize one unique solution, the divergent approach starts from a prompt and finally reaches multiple possible solutions. Both of these approaches are important as they help to develop different kinds of analyzing skills. Writing convergent and divergent questions is an art that needs to be learned before presenting to the students for practice.

“Methods of Innovative Teaching”

- Neetu Singh



The best teachers are those who show you where to look, but don't tell you what to see". The world is moving towards competition, people struggle to learn and to work hard, to create a new learning environment. The purpose of education is not only teaching the textbook but also adding innovative thinking, a creative environment, and self-sufficiency.

Innovative teaching means creativity and novelty of the teacher which changes the style and method of teaching. Innovative teaching is necessary for the present and future of education to help students to reach their full potential. Real-world learning - infusing, real-world experience into your instructions will make teaching moments fresh and enrich classroom learning. Relating and demonstrating through real-life situations will make the material easy to understand and easy to learn.

Role play-teaching through role-playing is a great way to make children step out of their comfort zone and develop their interpersonal skills. Brainstorm - Make time for a brainstorming session in classrooms. These sessions are a great way to get the creative juices flowing when you have multiple brains focusing on one single idea. These sessions will be a great platform for students to voice their thoughts without having to worry about right or wrong. Audio and video tools - incorporate audiovisual materials in your sessions.

Supplement textbooks with models, film strips, movies, pictorial material, and brain mapping tools that will help their imaginations thrive and grow. Welcome new ideas - an open-minded attitude can help you innovates new teaching methods. If you are a teacher, try to accept new ideas even if it looks strange in the beginning. I will help the teacher to represent the lesson in a more meaningful way. By incorporating new methods students are motivated to pay attention and retain the information better.

“Need to Innovate Our Learning and Teaching”

- Jerin



A teaching method is a strategies and methods utilized by teachers to enable students to learn. These procedures are usually chosen based on the type of learning that the students are capable of achieving. In education, student engagement refers to the degree of attention, curiosity, interest, optimism, and passion that students show when they are learning or being taught, which extends to the level of motivation they have to learn and progress in their education".

When students are engaged with the lesson being taught, they learn more and retain more. Students who are engaged in the work tend to persist more and find joy in completing the work. However, our world is changing fast. If we want to continue to deliver graduates who are able to thrive in that evolving landscape and who are equipped to be the leaders of tomorrow, we need to innovate our learning and teaching and adapt our academic community. Higher education in the 21st century is about more than acquiring knowledge from a single Discipline. Higher order skills, such as critical thinking, creative problem solving, teamwork, and communication, are becoming even more fundamentally valuable.

As information and facts proliferate, the ability to navigate across a wide range of disciplines and to critically evaluate, extract and communicate meaning have become essential attributes for success in modern society. Increasingly, the most important element of modern pedagogy in higher Education is not simply the teachers' transmission of information and the students' retention of facts. Now we must teach students how to handle and interpret concepts, evidence and Ideas, how to think and act as experts and, ultimately, how to produce original insights and Valuable knowledge for the benefit of society.

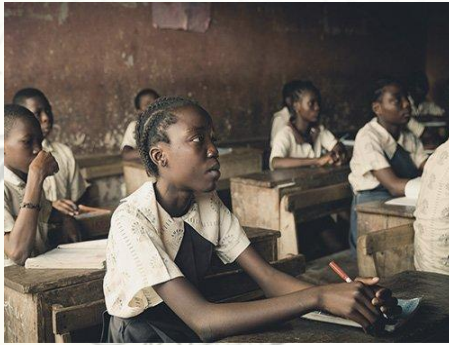
As a result, higher education is entering a new and exciting period. Leading universities understand that they need to change pedagogy from fact-based traditional lecturing to Interactive teaching with the aim of fostering durable skills such as critical thinking, developing and expert mind set, and problem solving. Imperial can learn from this to improve our own students' experience and can be at the forefront of global development in higher education.



Audio-Video -too



Creative Teaching



Real World Learning



Team Work



Role play



*Start-School-Club-Group-
Innovative ideas*



Brain Storm

NOVEMBER 2021

- 6th - 11th November: NCC cadets attended Pre-All India Yachting Ragata Camp, at Bargi Jabalpur.
- 8th -14th November: The DIC and IC organized FDP on “Biopharmaceutical Technology & Probiotics” in collaboration with the department of Zoology.
- 17th November: The department of English released the College Newsletter: The Aloysian Time Vol. I.
- 20th November: The Placement Cell conducted on ‘Career options in Marketing & Finance’
- 20th November: Staff Council meeting
- 22nd November: The Department of Computer Science & Application started certificate course and diploma course Computer Operator.
- 22nd November: Intra- college talent search solo dance classical, cartoon, painting and collage competition was conducted.
- 23rd November: Intra- college talent search group song classical, solo song classical light, western solo song, western group song competition was conducted.
- 24th November: Intra- college talent search quiz, mime/skit, speech competition was conducted.
- 25th November: Intra- college talent search dance group folk, debate, creative writing, essay Hindi, essay English competition was conducted.
- 25th November: The department of History conducted visit to old age home
- 26th November: Intra- college extempore, Hindi elocution, English elocution competition was conducted.

- 26th November: The department of Biotechnology conducted a program in which students participated in speech and pledge on the occasion of National Constitutional Day
- 26th November: The department of English conducted a debate competition on “Social Media has Improved Human Communication” and speech competition on ‘Waste Management’
- 26th November: The department of Political Science conducted speech on Indian Constitution to Celebrate Constitution day
- 26th November: The department of Economics organized ‘Farm Bill’
- 27th November: The department of English conducted Elocution & Extempore competition.
- 27th November: The department of Political Science conducted Group Discussion on Emerging Trends in Indian Foreign Policy
- 27th November: The department of English conducted an International Guest Lecture on “Going beyond the Texts” by Prof. Gerald Cupchik, University of Toronto.
- 27th November: Intra- college percussion, Non- percussion, Instrumental competition was conducted.
- 27th November: The department of Zoology observed Communal Harmony campaign week & Flag Day and conducted Essay writing & painting programs.
- 27th November: The JIRF organized Painting and Essay writing competition on Communal harmony and National integration
- 29th November: The department of English conducted a Guest Lecture by Mrs. Tuhina Bose, Assistant Prof. Fr. Conceicao Rodrigues Institute of Technology, Mumbai.
- 27th November: Meeting of Principal with the HOD’s

DECEMBER 2021

- 1st December: The NSS conducted an online poster and slogan competition on the occasion of World AIDS day
- 1st December: The department of Education organized a street play on fight against HIV and to support for people living with HIV.
- 1st -14th December: The department of History organized a certificate course on 'Indian history Chronology from ancient India –Medieval India'.
- 3rd – 4th December: The department of Management under the aegis of IQAC organized two days International Faculty Enrichment Program on 'Towards Enhanced Digitization: Mentoring the Mentors'
- 3rd December: The Naval NCC SD Cadet Collected Rs 5,320 for Ex-Servicemen Welfare fund, the Amount to be deposited to be Sainik welfare office Katanga, Jabalpur.
- 4th December: On the occasion of Navy Day 24 cadets visited Lakhanpur village (Barghi) and distributed fruit and cloths to village people
- 4th December: The IQAC honored the teaching and non-teaching staff for the successful completion of 25 years of devoted service in the institution
- 4th December: The department of Political Science conducted group discussion on 'Uniform Civil Code'
- 4th December: Annual Prize distribution for session 2019-2020
- 4th December: The DIC and IC signed a MOU with Aventure Technologies for the purpose of research and innovation.
- 6th- 13th December: The department of Management organized skill enhancement classes

- 6th – 20th December: The department of Hindi conducted a certificate course ‘Karyalayavam Janshanchar Karayvidhi’
- 6th – 15th December: Meeting of Principal with departments on NEP
- 8th December: The Placement Cell organized a session on ‘CV Preparation’
- 9th December: The Placement Cell organized a session on ‘Interview Skills’
- 10th December: The Placement Cell organized a session on ‘Corporate Readiness’
- 10th December: The department of Political Science conducted quiz competition and speech competition to celebrate Human Rights Day
- 10th December: The NCC cadets gave Homage to all Brave hearts whom we lost in Helicopter crash by lightening the candles at Shourya Smarak Sadar
- 11th December: The Placement Cell organized a session on ‘Grooming & Personality Development’
- 14th December: The Bio- design Innovation Centre & Bio- Design Innovation & Innovation Centre organized Agri- Entrepreneurship Awareness Programme.
- 17th – 18th December: The Physical Science departments organized ‘Aagaz 2021’
- 18th December: The Department of Zoology organized a Health awareness program for girls Students to make them aware of reproductive health
- 18th December: The Naval cadets visited the Gun carriage Factory exhibition- Amrit Mahotsav
- 18th December: The department of Management organized a guest lecture on ‘Business Intelligence’

- 20th–21st December: The department of Chemistry conducted a training program on ‘Entrepreneurship skills through Chemistry’ for the faculty and students under the STAR College scheme.
- 20th December: Department of Zoology and Red ribbon club organized extempore competition on the Youth and AIDS.
- 20th December: NCC cadets visited the ordinance exhibition
- 21st December The Women Cell conducted an essay writing competition collaboration with Kadam Institute on the topic ‘No gender only Human’
- 22nd December: The department of Mathematics organized poster and speech competition on the occasion of National Mathematics Day
- 22nd December: Christmas celebration at SAIT Jabalpur by JIRF
- 23rd December: Annual online social gathering was conducted
- 27th December: The Red Ribbon Club organized State level quiz competition
- 31st December: Meeting of Principal with the Criteria In charges



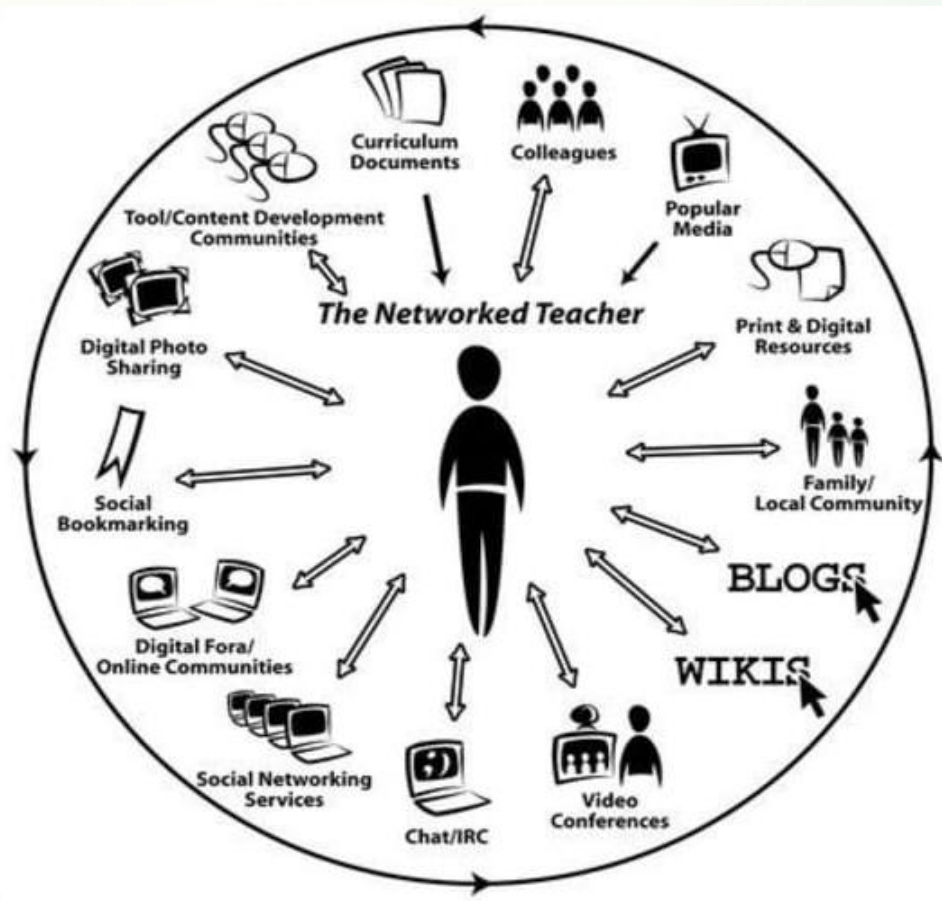


Figure: The networked teacher using technology and gadgets