

-Introduction-

- **Name-Dev Raj Dhiman**
- **Designation-Headmaster**
- **Name of school-Govt.High School Jasai**
- **Address-Govt.High School Jasai P.O. Jansooh Tehsil
Nadaun District-Hamirpur HP 177041**
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- **Theme of case study-Enhancement of quality education
through innovations at school level.**

About Govt.High School Jasai-A school is a medium of learning for children and is often regarded as a place of worship for the students.Govt.High School Jasai was established in the year 2000 and upgraded from Govt.Middle school to High school in the year 2015.Our school located in Rural area.It is located in Educational block Galore of District Hmairpur Himachal Pradesh.



Our school comes under Jasai panchayat.32 K.M. towards west from district Headquarters Hamirpur,23 K.M from Nadaun and 160 K.M from state capital Shimla.

Location- 31.29' N Latitude,76.37' E Longitude

Students of nearby villages such as Jasai,Tehli,Tialu,Manjra,Daula kwal and Samjal are studying in this school.People of different castes and religions live in these villages and our school provides education to their child without any discrimination.Main occupation of people of these villages is agriculture and labour.culture and social background play an important role in Education.If Education is unsuccessful in bringing about enhancement and well being than it is considered to be of no utility.Education is considered to be the most powerful instrument in bringing about changes within an individual. It is necessary that parents and community should work together to promote health,well being and learning of all students. If we actively involve parents and engage community resources,they are able to respond more effectively to the school related needs of students.As most of the Parents of our students are belong to the labour class so it is somehow difficult for them to play an active participation. But whenever they have time they are eager to

participate in activities of the school such as Beti Bachao Beti Padhao abhiyan, Swachhta abhiyan, Van Mahotsav, Cultural activities, School Disaster Management Plan, School Development Plan etc. we try to ensure the active participation of community and parents in the school. They are now also aware that girl's education transform lives and future of the whole communities. So they now try to educate their girl child also. The people of nearby villages are now well aware about the importance of Education and they are very conscious about the all round development of their child.

-Challenges and strategies implemented-

The **NCF- 2005** has recommended five guiding principles for curricular development-

- 1-Connecting knowledge to life outside school.
- 2- Ensuring that learning shifts from rote methods.
- 3-Enriching curriculum so that it goes beyond text.
- 4-Making examination more flexible and integrating them with class room life.
- 5- Nurture an overriding identity informed by caring concern within polity of the country.

Keeping in view these guiding principles we started our journey to implement innovations in our school.

1-Personality development of students through active and inquiry based learning-

In this competitive world ,personality plays a major role in dealing with the external challenges.in addition to the regular education ,it is important to have a holistic development of students which will definitely leverage their first steps towards this competitive world. The effectiveness of personality development lies on the confidence with which students embark their pathway to success.It is one of the major challenge that I have noticed in our school that our students who belongs to rural background somehow lagging behind and intrinsic confidence of these students is far low .They cannot express themselves easily.To build up their self-confidence level we introduced-

- 1-Peer group learning method
- 2-Preparation of mind map by students
- 3-Student's presentation in the classroom

1-Peer group learning method introduced in our school. It is a situation where peers support each other in learning process. In this process

students learn from each other by sharing ideas, knowledge and experience.

2-Mind map is a graphical way to represent ideas and concepts. It is a visual tool that helps structuring information, helping the students to better analyze and enhances their creative thinking and enables them to become more productive and efficient.

3-Presentation by the students on various topics introduced in our school .A student's presentation in the classroom becomes an important element in delivering positive learning experiences. Presentation skills helps the students to present in the classroom what they have learned.it is the way they can explain more deeply and study the topic.

2-Connect subject matter with real life experience or surrounding environment-

We have a challenge that how to connect subject matter with the surrounding environment and provide real life experience to the students because the real life experience provides important opportunities for students to actively involved in learning. The surrounding environment can help students in learning process because it can provide direct and real examples to students so as to facilitate students in understanding the material being taught.

It emphasizes co-operative learning with others, critical thinking and discussion, and a focus on action strategies with real world application

It offers opportunities for rich, hands-on, real world and authentic learning across the curriculum. This relevance to student's lives engages and inspiring them more than traditional pedagogy and develop their faculty of observation. For this we have introduced in our school

Project based learning (Field visit)

It develops the child's ability to work with his or his peers, building teamwork and group skills. It allows the teacher to learn more about the child as a person. Project based learning not only provides opportunities for students to collaborates or drive their own learning, but it also teaches

them skills such as problem solving and helps to develop additional skills integral to their future ,such as critical thinking and time management.

Project work is a series of activities that allows the students, do research and act by themselves using their abilities, interest, personal experience and aptitudes. The teacher will give ideas about project work, advice about the topic and how to manage the data collection process and planning.

Field visit is one of the most fantastic ways for students to learn through real life .There is no better way to learn something than to see or do it for yourself .It provides opportunities to every students to explore the possibilities of enhancing their inbuilt capacities through exposure By this the students will develop a sense of enjoyment and feel the subject closer without the pressure of doing exercise. We have taken our school students to various field visits such as Local Village Panchayat, Drinking Water Supply System (Water Pump House), nearby grocery shop and Ayurvedic Dispensary where students learns various classroom concepts. It definitely becomes a necessary part of our students' life simply because it gives them ample opportunity to learn from their own experiences.

Herbal garden-it reflects the long lasting tradition of conserving and using plants/ products for health care and cooking .Making a herbal garden is an opportunity to grow herbs for use, while spreading knowledge of their importance and traditional uses.

Herbal garden in GHS Jasai- The school has herbal garden which has medicinal plants .This garden enables the students to learn medicinal values of plants .Herbal garden is of immense value to educate the children about the ancient treasure of Indian ayurvedic way of treatment. We have planted about 32 types' precious medicinal plants known for their invaluable medicinal values. This innovative venture also throws light on the importance of plants in the sustenance of a safe and green world.

List of plants (Herbal garden –GHS Jasai)

रुद्राक्ष	कचूर	मग	रात रानी	आंबला
मुस्की कपूर	छोटी ईलायची	एलोवेरा	पुदीना	हरड
बेहड़ा	बड़ी ईलायची	लेमन ग्रास	बकरबेल	काली मिर्च
कपूर तुलसी	तेज पत्ता	चमेली	हडजोड़	चन्दन
खजूर	नीम	कत्तुंदी	पथरचट	
सुनणा	कालमेघ	अश्वगंधा	करी पत्ता	
हींग	सर्पगंधा	घुमारी	खैर	

Vermicompost Pit- It is also important to inculcate good habits of cleanliness, healthful living among children and essential knowledge regarding the personal and social hygiene. The first step in managing our school's rubbish we have set up different dustbins for the different kind of waste. Our students avoid sending waste to a landfill. It causes environmental problems, such as unpleasant smells and contaminants and toxins leeching into water and the air. So we and our students using other ways of disposing of waste, such as recycling, reusing and composting.

Our school has a vermicomposting unit. The main objective of this unit is to enable the students to learn 4R of waste management i.e. Refuse, Reduce, Reuse and Recycle. Vermicomposting refers to organic Manure produced by the use of earth worms, which generally live in soil, eat biomass and excrete it in digested form.

Why is vermi composte important-Vermicomposte is strictly organic .vermi-compost is used as an organic fertilizer in agriculture gardens. Vermin-compost enrich the soil, creates an ecologically safe system of food production and raise land productivity.by using vermin-compost in gardens, harmful chemicals and pesticides are no longer needed in the cultivation of crops.

Students also learn-

- 1-Instead of disposing of food scraps, yard wastes and other organics, the material can be vermin-composed.
- 2-This method of recycling converts organic materials that have traditionally been viewed as waste into a valuable soil amendment for plants and crops.
- 3-When vermin-compost is added to soil, it boost the nutrients available to plants and enhances soil structure and drainage.

- 4-Vermicompost has also been shown to increase plant growth and suppress plant disease and insect pest attacks
- 5-vermi compost is an eco-friendly bio fertilizer
- 6-vermicompost increase water retention capacity.

3- Introduce Practical based learning (Practical for classes 6th To 8th) and child centered method of teaching-

Practical Work-By practical work we mean tasks in which students observe or manipulate real objects or material or they witness teachers demonstration. Practical activities have huge significance in the learning process. They engage students, helping them to develop important skills, understand the process of scientific investigation and develop a broad understanding of scientific concept. In addition to class 9th and 10th we have introduced practical work from class 6th to 8th especially in maths and science so that pupils can get practical knowledge and understand the concept in better way.

Practical work can-

- 1-Motivate pupils by stimulating interest and enjoyment
- 2-Enhance the learning of scientific knowledge.
- 3-Develop scientific attitudes such as open mindedness and objectivity.

Open textbook test- an open book test is an assessment method designed in a way that allows students to refer either class notes or textbooks while answering question. It appears to be less stress in studying and by open book test students would be able to navigate through the book i.e. they know where to find the information and encourage independent study of a section of the book and responsibility of learning. It is also important for the tapping of potential of every student without discrimination.

Multiple choice question-Multiple choice or objective response is a form of an objective assessment in which respondents are asked to select only correct answers from the choices offered. In our school at the end of each chapter a MCQ test has conducted by the teacher. One of the most obvious pros of this form of test is that the actual answer is visible. In many cases a student may very well know the answer to a question but they are unable to recall it due to issues with memory or feeling pressurized. Seeing the answer could well trigger the memory to enable a correct answer to be given.

Activity corner- Activity corners have been made in each class of GHS Jasai. Everything of children's use has been kept in this box. This box contains educational material such as dictionary, maps, scrap book, sketch pens, cello-tape, scissor, candle, science practical related material etc.

4-Increase the learning level of weak students or slow learners –

Every individual is unique with different IQ levels. Some students have the capability of grabbing fast and memorize for long .others have less picking capacity. Academically weak students show natural physical growth however they could not perform well in reading, writing. Weak students could not develop understanding of different topics. Gradually they lose interest of study and develop a sense of delaying, excusing and blaming. So weak students become a product of poor self-confidence and poor self-image. It becomes so much difficult to identify the reason of poor academic performance. On the other side since, weak students do not create self interest in study; they do not want to perform academic activities.

For this in our school we introduced Remedial teaching for weak students.

Remedial Teaching –Remedial teaching is core teaching methodology to empower academically weak students. It is a unique way to provide intensive guidance, support and assistance to the academically weak students. It is integration of observation, interpretation and execution of method, material and motivation according to the level of learner. By doing this we help the weak students to learn most common and easiest things

in the beginning of the session we identify such students and to help those students to perform better in all academic activities is a time taking process, requires patience, persistence and consistent desires to work for longer and long time.

We help weak students to learn most common and easiest things i.e. spelling of simple word, read word and sentences.

We help weak students to learn basic mathematics skills i.e. addition, subtraction, multiplication and division.

Base line results –Maths Held in May-2019

S.No	Name	class	Level					
			Nothing	Digit	addition	subtraction	multiplication	divide
1	Palak	6 th	-	√	-	-	-	-
2	Amit	6 th	-	-	√	-	-	-
3	Rahul	6 th	-	√	-	-	-	-
4	Rita	6 th	-	-	√	-	-	-
5	Bandana	6 th	-	-	√	-	-	-
6	Sanjeev	7 th	-	-	√	-	-	-
7	Dikshit	7 th	-	-	√	-	-	-

End line results -Maths Held in Jan.-2020

S.No	Name	class	Level					
			Nothing	Digit	addition	subtraction	multiplication	divide
1	Palak	6 th	-	√	√	√	-	-
2	Amit	6 th	-	√	√	√	√	√
3	Rahul	6 th	-	√	√	√	√	-
4	Rita	6 th	-	√	√	√	√	√
5	Bandana	6 th	-	√	√	√	-	-
6	Sanjeev	7 th	-	√	√	√	√	√
7	Dikshit	7 th	-	√	√	√	√	√

Base line results –Hindi Held in May-2019

S.No	Name	class	Level					
			Nothing	letter	Word	sentence	Reading Paragraph	Reading story
1	Palak	6 th	√	-	-	-	-	-
2	Amit	6 th	-	-	√	-	-	-
3	Rahul	6 th	-	√	-	-	-	-
4	Rita	6 th	-	√	-	-	-	-
5	Bandana	6 th	-	√	-	-	-	-
6	Sanjeev	7 th	√	-	-	-	-	-
7	Dikshit	7 th	√	-	-	-	-	-

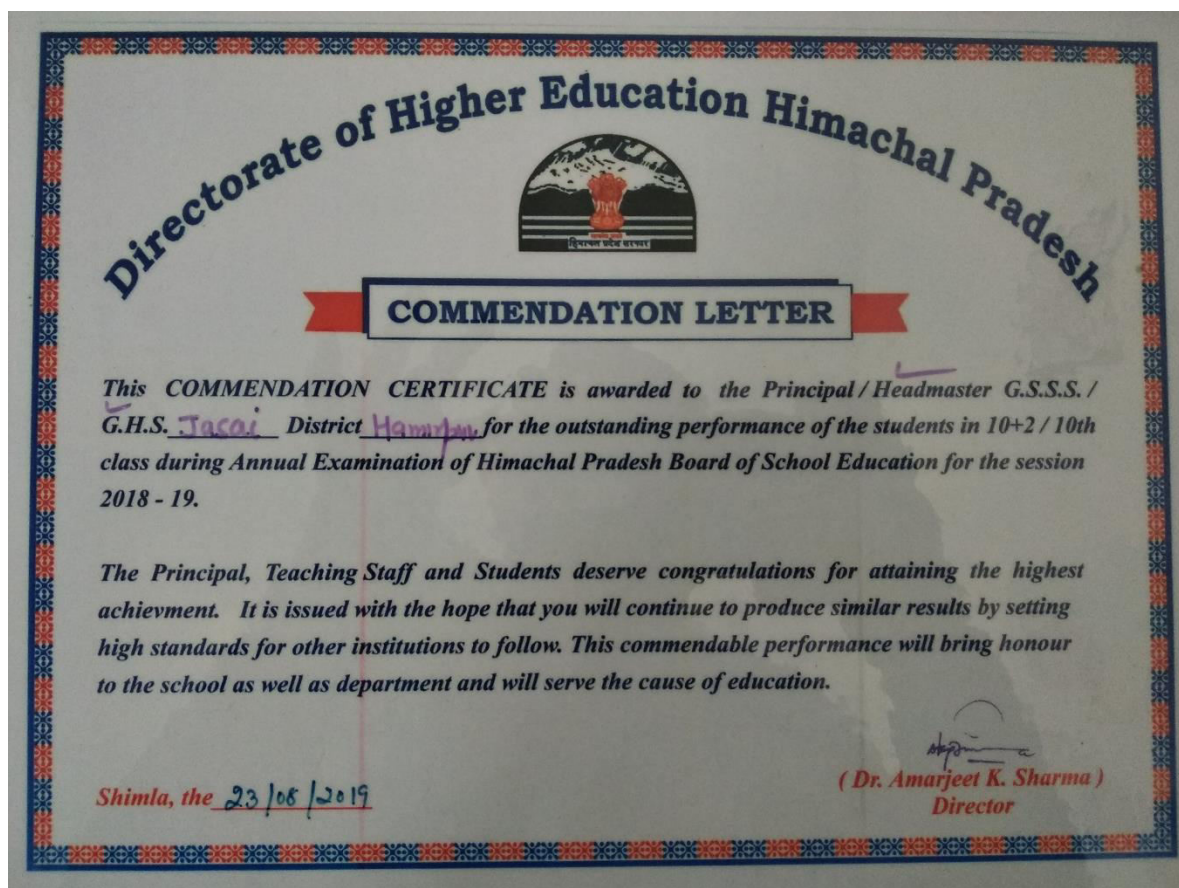
End line results –Hindi Held in Jan.-2020

S.No	Name	class	Level					
			Nothing	letter	Word	sentence	Reading Paragraph	Reading story
1	Palak	6 th	-	√	√	√	√	-
2	Amit	6 th	-	√	√	√	√	√
3	Rahul	6 th	-	√	√	√	√	-
4	Rita	6 th	-	√	√	√	√	√
5	Bandana	6 th	-	√	√	√	√	√
6	Sanjeev	7 th	-	√	√	√	√	-
7	Dikshit	7 th	-	√	√	√	√	-

Our achievements-

Commendation letter for outstanding performance of students in 10th class board exam held in March -2019 from Directorate of Higher Education –Shimla-

Our school has awarded with a commendation letter for outstanding performance of students in 10th class board exam held in March-2019. This commendable performance of our students bring honour to our school.



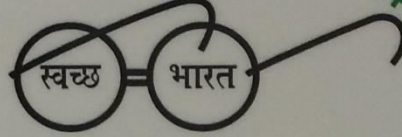
2nd prize at block level in school sanitation contest under swachh bharat mission –our school has got the second position at block level in school sanitation contest under swachh bharat mission and school sanitation reward scheme. On the eve of Republic day Rural development department of Himachal Pradesh awarded the school with the cash prize of Rs.-10000/- and with a certificate.

स्वच्छता से स्वास्थ्य



स्वास्थ्य से समृद्धि

ग्रामीण विकास विभाग हिमाचल प्रदेश
Rural Development Department Himachal Pradesh



एक कदम स्वच्छता की ओर

स्वच्छ भारत मिशन
Swachh Bharat Mission

प्रमाण पत्र

सहर्ष प्रमाणित किया जाता है कि श्री० उ० पा० जसाई

ग्राम पंचायत जसाई ब्लॉक नादीन

जिला हमीरपुर (हि०प्र०) को वर्ष 2018-19 में ग्रामीण विकास विभाग,
हिमाचल प्रदेश द्वारा राज्य स्कूल स्वच्छता पुरस्कार योजना के अंतर्गत
खण्ड स्तरीय द्वितीय पुरस्कार प्रदान कर सम्मानित किया गया ।

दिनांक 22.01.2020

उपायुक्त एवं मुख्य कार्यकारी अधिकारी,
जिला ग्रामीण विकास अभिकरण,
जिला हमीरपुर हिमाचल प्रदेश

Saksham National Competition 2019-To ensure that our students are well equipped with knowledge to face any challenge. Our students participated in various competitions such as Saksham National Competition -2019. In this competition certificate of appreciation presented to our school by Petroleum Conservation Research Association. Our two students were selected for district level competition and got first position and also won cash prize of Rs.3000/-each.



Our two students were selected this year for under-14 state tournament. One in volleyball and one in short-put.

Our students participated in various online quiz competitions from time to time. In this year our students participated in online competition conducted by ISRO.

Also we have focused sessions on special topics including Disaster management, basic life support, Health and hygiene for girls and Career counseling.

School head as a Team Leader-

As a head of the school my role is to provide leadership, direction and co-ordination within the school. My focus is to develop and maintain effective educational programs within our school and to promote the improvement of teaching and learning through implementations of various innovations.

One of major factor that is most important to implement these innovations is time management. The weekly schedule of these activities is prepared at the beginning of each new week. It was the major factor that can affects our innovative work. Every Saturday after half time and 4th Saturday i.e. bag free day as declared by H.P. Govt. we decided to utilize this time to implement these innovative ideas in our school. Otherwise it was impossible to implement these innovations in our school because every teacher has under pressure to complete their syllabus well in time and give better result otherwise H.P. Govt. decided to stop increment of those teachers and heads whose result is below 30%-40% of board result. In H.P the entire exam conducted under CCTV and mobile jammer. But by proper time management we are able to implement these innovations and got success by improving the learning level of our students and providing them something new. By enhancing quality education through innovations and by improving the learning level of my students I feel satisfied myself but this is not the end yet there is a lot of to do.

I as a team leader play a key role in the delivery of quality instruction. The responsibilities of our team to include educational strategies that support effective learning for all students and serve as a facilitators, guide and supporter of quality instructional practices.