

Model Simulation Developed

Creating models encourages interactive education, fosters profound comprehension, amplifies critical thinking abilities, fosters teamwork and effective exchange of ideas, and offers a pragmatic and inventive avenue for learning. Through active involvement in the model-building process, learners cultivate a more comprehensive and interconnected grasp of the topic, resulting in substantial and enduring educational achievements. The incorporation of model creation holds significant importance in the learning process for numerous compelling motives:

Concrete Representation: Models offer a palpable and solid depiction of theoretical notions, concepts, or systems. They render intricate or elusive ideas more approachable and comprehensible by generating a visual or tangible representation. Models enable learners to envision and engage with the subject matter, intensifying comprehension and retention.

Active Engagement: Model crafting necessitates proactive involvement from learners, compelling them to engage in critical thinking, scrutinize information, and employ their knowledge to formulate a model. This experiential approach fosters active learning, cultivates problem-solving skills, and sparks creativity. Through direct participation in the model-making process, learners foster a more profound comprehension of the subject matter.

Multisensory Learning: Models encompass various senses, including visual, tactile, and occasionally auditory aspects. This multisensory encounter enriches learning by triggering diverse regions of the brain and fortifying memory retrieval. Through the incorporation of multiple senses, models facilitate a more all-encompassing and engaging learning journey.

Conceptualization and Visualization: Developing a model demands learners to conceptualize the topic and convert it into a tangible or visual portrayal. This process of conceptualization and visualization enriches comprehension and aids learners in comprehending abstract notions more efficiently. Models empower learners to establish links between theoretical knowledge and real-world applications, effectively bridging the gap between theory and practice.

Problem Solving and Critical Thinking: Model crafting frequently entails tackling problems, making design selections, and surmounting obstacles. It stimulates learners to engage in critical thinking, analyze information, and make decisions grounded in their comprehension. Through the exposure to and




PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR - 30 20 20

Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org

resolution of challenges throughout the model-making endeavor, learners cultivate problem-solving prowess and fortify their analytical and critical thinking capabilities.

Collaboration and Communication: Model construction often serves as a collaborative endeavor, motivating learners to collaborate, exchange ideas, and communicate proficiently. Cooperative model making advances teamwork, negotiation, and the interchange of viewpoints. It nurtures adept communication abilities, as learners articulate their concepts, elucidate their models, and partake in dialogues with peers.

Creativity and Expression: Model crafting presents learners with a chance to manifest their creativity and distinct viewpoints. It stimulates learners to think in inventive ways, test diverse ideas, and delve into alternative solutions. The model-making process allows for customization and self-expression, fostering a sense of ownership and pride in the learning journey.

For this, Departments allotted some topics to students according to their syllabus. These models are displayed in Science Exhibition. In the end, Awards are given to the Best Models.

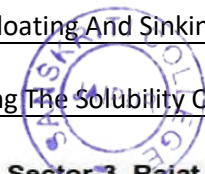



PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR - 30 20 20

Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org

S.No.	Name Of The Project	Name Of The Student	College
1	Making A Rainbow: Prism Optics	AKRITI SHUKLA	SANSKRITI COLLEGE
2	Balloon Rockets: Thrust And Newton's Laws	ANKIT KUMAR KHARDIYA	SANSKRITI COLLEGE
3	Predator-Prey Interactions In A Controlled Environment	BHUVNESH YOGI	SANSKRITI COLLEGE
4	Ocean Acidification: Implications For Marine Life	DHANANJAY MAURYA	SANSKRITI COLLEGE
5	Bending Water With Static Electricity	DHRUV KUMAR	SANSKRITI COLLEGE
6	Animal Physiology: Investigating Metabolic Rate	HIMANSHU CHAUDHARY	SANSKRITI COLLEGE
7	Effects Of Environmental Factors On Animal Growth	KAMLESH KUMAR	SANSKRITI COLLEGE
8	Balancing Act: Center Of Mass Experiment	KARAN DUDEJA	SANSKRITI COLLEGE
9	Geographic Patterns Of Disease Spread	KARTIK KUMAR	SANSKRITI COLLEGE
10	Water Scarcity And Resource Management	MONIKA SAINI	SANSKRITI COLLEGE
11	Exploring Geographical Influences On World Cultures	NARENDRA SINGH	SANSKRITI COLLEGE
12	Aquatic Ecology: Exploring Local Freshwater Habitats	RAM KISHOR	SANSKRITI COLLEGE
13	Exploring Sound Waves With Homemade Instruments	RAMESH	SANSKRITI COLLEGE
14	Chemical Synthesis Of Natural Fragrances	RAVI SHANKER	SANSKRITI COLLEGE
15	Density Column: Layered Liquids	SAMEER KHAN	SANSKRITI COLLEGE
16	Quantitative Analysis Of Metal Ions In Water	SAMIR VERMA	SANSKRITI COLLEGE
17	Animal Behavior Observation: Ethogram Development	SANDEEP SINGH	SANSKRITI COLLEGE
18	Statistical Analysis Of Survey Data	SHANKAR MALI	SANSKRITI COLLEGE
19	Coin Battery: Understanding Chemical Reactions	SHIVAM AGARWAL	SANSKRITI COLLEGE
20	Exploring Floating And Sinking With Objects	SHRIYA SHARMA	SANSKRITI COLLEGE
21	Investigating The Solubility Of Compounds	SHUBHAM VISHWAS	SANSKRITI COLLEGE



PRINCIPAL

Sanskriti College, JAIPUR

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR - 30 20 20

Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org

22	Soda Can "Boat" Stability And Buoyancy	SNEHA S KELKAR	SANSKRITI COLLEGE
23	Exploring Sustainable Transportation Alternatives	SUMIT SINGH	KANORIA P.G. MAHAVIDHYALAYA
24	Sudoku Solving Strategies: Logic And Algorithms	SUSHMA	SANSKRITI COLLEGE
25	Green Chemistry: Environmentally Friendly Reactions	ADITYA SHARMA	SANSKRITI COLLEGE
26	Catalysis Effects On Reaction Rates	AMAN DEEP SINGH	SANSKRITI COLLEGE
27	Marine Biology: Investigating Tide Pool Biodiversity	GUNGUN KAUSHIK	SANSKRITI COLLEGE
28	Effects Of Light Quality On Plant Growth	HARLEEN KAUR THIND	SANSKRITI COLLEGE
29	Plant Anatomy: Microscopic Examination Of Tissues	MAYANK SHARMA	SANSKRITI COLLEGE
30	Fizz Inflater: Gas Release Reactions	MOHD SAKIB MULTANI	SANSKRITI COLLEGE
31	DIY Electromagnet With A Nail And Wire	RAVI JAIN	TILAK COLLEGE
32	Indoor Air Quality In Different Environments	ROHIT MEENA	SANSKRITI COLLEGE
33	Game Theory In Action: Analyzing Classic Board Games	SACHIN BAJAD	SANSKRITI COLLEGE
34	Photosynthesis In Action: Investigating Light Intensity Effects	SALONI GARG	SANSKRITI COLLEGE
35	Comparative Study Of Animal Locomotion	SAMAY SHARMA	SANSKRITI COLLEGE
36	Fibonacci Fun: Patterns In Nature And Mathematics	SOMESHWAR SHARMA	SANSKRITI COLLEGE
37	Solar Oven: Harnessing Sun's Heat	SUNIL VAISHNAV	SANSKRITI COLLEGE
38	Floating Egg: Saltwater Density Experiment	UJJWAL TRIVEDI	SANSKRITI COLLEGE
39	Homemade Spectroscope: Light Analysis	VIRENDRA JANGID	SANSKRITI COLLEGE
40	Renewable Energy Options For Community Power	VIRENDRA SINGH	SANSKRITI COLLEGE
41	Effects Of Soil Ph On Plant Growth	YASHASVI NARUKA	SANSKRITI COLLEGE
42	Invasive Species Impact On Native Fauna	ABHISHEK SONI	SANSKRITI COLLEGE
43	Parasite-Host Relationships: Impacts On Health	AJAY SHARMA	SANSKRITI COLLEGE
44	Predictive Modeling Using Regression Analysis	AMIT SEWALIYA	SANSKRITI COLLEGE

			COLLEGE
45	Comparative Anatomy: Evolutionary Insights	ANJALI BAJAJ	SANSKRITI COLLEGE
46	Study Of Plant Hormones: Growth And Development	ATUL SAMBHARIA	SANSKRITI COLLEGE
47	Urbanization Effects: Analyzing Urban Sprawl	HIMANSHU MEENA	SANSKRITI COLLEGE
48	Acid-Base Titration And Ph Analysis	KIRAN KUMARI YADAV	SANSKRITI COLLEGE
49	Climate Change Vulnerability Assessment	KRISHAN PADH SARAN SHARMA	SANSKRITI COLLEGE
50	Study Of Plant Genetics: Inheritance Patterns	MANISH JONWAL	SANSKRITI COLLEGE
51	Testing Different Insulators For Heat Loss	MINAKSHEE KHILERY	ST. WILFRED PG COLLEGE
52	Wetlands Restoration: Assessing Biodiversity Recovery	PRINCY DAGUR	ST. WILFRED PG COLLEGE
53	Slime Time: Non-Newtonian Fluid Behavior	RAJNISH	St. Wilfred PG College
54	Biodiversity Hotspot Mapping In A Local Ecosystem	RITU SAINI	ST. WILFRED PG COLLEGE
55	Biodiversity In A Local Ecosystem: Species Inventory	VERSHA SHARMA	St. Wilfred College for Girls
56	GIS-Based Transportation Network Optimization	VINI KAUSHIK	SUBODH GIRLS COLLEGE
57	Gas Chromatography: Analyzing Volatile Compounds	VISHAKHA SHARMA	ST. WILFRED COLLEGE FOR GIRLS
58	The Monty Hall Problem: Probability And Decision Making	VISHAL KUMAR BAIRWA	ST. WILFRED PG COLLEGE
59	Comparative Study Of Volcanic Eruptions	ABHIMANYU SHARMA	SANSKRITI COLLEGE
60	Medicinal Plants: Extraction And Analysis	MS AYUSHI GUPTA	SANSKRITI COLLEGE
61	Cryptographic Puzzles: The Fascinating World Of Codes	BHANU PRATAP SINGH JODHA	SANSKRITI COLLEGE
62	Prime Number Distribution: Patterns And Conjectures	CHANDRA PRATAP SINGH RATHORE	SANSKRITI COLLEGE
63	Investigating Light Reflection With Mirrors	INDRA KUMAR CHOTIA	SANSKRITI COLLEGE
64	Analysis Of Food Dyes In Common Beverages	MAHESH KUMAR SHARMA	SANSKRITI COLLEGE
65	Endangered Species Conservation Strategies	ABHISHEK SINGH	SANSKRITI COLLEGE

66	Exploring Air Pressure With A Marshmallow	AMAN SONI	SANSKRITI COLLEGE
67	Glacial Retreat And Its Impact On Local Environments	ANIL BADARDA	SANSKRITI COLLEGE
68	Electrochemical Cells And Redox Reactions	ANISH KUMAR PANDEY	SANSKRITI COLLEGE
69	Water Bottle Tornado: Vortex Formation	ANUJ GUPTA	SANSKRITI COLLEGE
70	Water Bottle Rocket Launch	CHETAN YADAV	KANORIA P.G. MAHAVIDHYALAYA
71	Creating A Pollinator-Friendly Garden	DHEERENDRA PRATAP BHARTI	SANSKRITI COLLEGE
72	The Impact Of Noise Pollution On Local Wildlife	HARSHIT JANJIRE	SANSKRITI COLLEGE
73	Animal Communication: Vocalization Analysis	MS KHUSHBOO YADAV	SANSKRITI COLLEGE
74	Synthesis Of Biodegradable Polymers	MS KIRAN CHOUDHAYR	SANSKRITI COLLEGE
75	Chemical Thermodynamics: Enthalpy Change In Reactions	MS NIRALI GHEEYA	SANSKRITI COLLEGE



Javed
PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR-302020

Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org

Department of Science	
Activity Report	
Name of Activity	Science Exhibition
Date	3/12/2019
Venue	Sanskriti College
Faculty Coordinator	Dr.Deepika Sharma, Dr.Muktika Ahaskar
No. of Participant	102
Activity Summary	Over 20 colleges from Jaipur participated in the department of science's intercollegiate scientific exhibition. By showcasing both functional and non-functional models, the students showcased their creative and latent talents. The students also showed their poster presentations. The Guest of Honor presented the winners with gifts. It's a component of interactive education where pupils have an opportunity to showcase their abilities.

Picture




SANSKRITI
COLLEGE
JAIPUR

PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR-302020


Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org

Department of Science	
Activity Report	
Name of Activity	Science Exhibition
Date	10/02/2020
Venue	Sanskriti college
Faculty Coordinator	Dr. Vinika Maglani
No. of Participant	65
Activity Summary	More than 25 colleges from Jaipur attended the intercollegiate Science Exhibition organized by the department of science. Students were able to showcase their hidden creativity through both functional and non-functional models at the event. Students also displayed posters with their opinions on them. A Guest of Honor presented the honorable awardees with their awards. Students are encouraged to participate in the learning process and freely display their skills thanks to this event.
Picture	



Janani
PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR-302020


Department of Science	
Activity Report	
Name of Activity	Science Exhibition
Date	02/12/2020
Venue	Sanskriti college
Faculty Coordinator	Dr. Neetu Gaur, Dr. Nupur Jain
No. of Participant	79
Activity Summary	More than fifteen colleges from Jaipur attended the intercollegiate Science Exhibition organized by the department of science. Through interactive demonstrations of functional and non-functional models and poster presentations, the event gave students a chance to display their hidden and creative talents. A prominent guest of honor paid tribute to the deserving recipients. This activity encourages student participation in learning by giving them a chance to show off their abilities.
Picture	



Jain
PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR-302020

Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org

Department of Science	
Activity Report	
Name of Activity	Science Exhibition
Date	21/01/2023
Venue	Sanskriti College
Faculty Coordinator	Mr.Kanha Ram Saini
No. of Participant	72
Activity Summary	More than thirty colleges from Jaipur participated in an intercollegiate science exhibition organized by the science department. Students presented both working and non-working prototypes to showcase their creative and hidden talents. They also displayed poster presentations. The Guest of Honor presented the winners with a certificate. This event is a prime example of interactive learning, giving students a chance to showcase their abilities.
Picture	



Janak
PRINCIPAL

Sector-3, Rajat Path, Shipra Path, Mansarovar, JAIPUR-302020

Ph.: +91-9251488804, +91-9214311154 | E-mail: sanskriticollegejaipur@gmail.com | www.sanskriticollege.org