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Activity-1

prepare different steps involved
for demonstration of an
Experiment one each in physics
and chemistry

An Experiment from physics:-

How to determine the direction
of motion of a body moving
in a circular path

what is required

Strong thread about 1m and
an eraser.

How will you proceed?

1. Tie the eraser at one end of one end of a piece of thread of length about 70-80 cm.

2. Hold the thread at the other end and move the eraser fast in such a way that

it describes ~~circular~~ path

3. Release the thread from your hand. What do you observe? In which direction the

4

eraser moves when it is released.

4. Repeat the activity by releasing the Eraser at different position of the circular path. Note down the direction in which it moves now? Does the direction in which it moved now? Does the Eraser moves remain the same in each case what have you learnt?

1. when a body moves in a circular path its -

direction of motion
changes at every point.

2. At any point the
direction of motion is
along the tangent to
the circle of that
point.

Extension:-

change the length of
the thread & repeat
the experiment. Do you
find any change in
the direction of motion

Activity. 2

prepare two improvised apparatus teaching algeria with locally available material resources physics and chemistry and submit physics

Making a pin hole camera
you will need

A pvc pipe about 8cm in diameter and of length 30cm

A pvc pipe about 4cm in diameter and of length 20cm
one black drawing sheet.

oil - 1ml, two rubber bands
 a pin and A4 sheet if
 you cannot get PVC pipes
 takes a thick sheet of
 paper and roll it to form
 tubes.

The diameter and length
 of the tubes should be

same as that given for the
 pipes.

procedures

cut a piece of black
 and put it like cap at

one end of the big pvc pipe and fix it as a rubber band as shown in figure. put the paper like a cap at one end of the thinner pvc pipe. if it with a rubber band.

fix it with a rubber band. now make a hole in the middle of the black paper cap with help of pin. put 2 to 3 drops of oil on the white over cap. so that it becomes transparent.

Arrange a lightened candle in front of the pin hole of the camera. move the thinner pipe forward and backward to get a clear picture of the candle on the screen of the thin pipe.

The light from the candle travels straight in all direct line from each point of the flame of the candle. But only the light coming in some particular direction.

Activity-3

Visvesvaraya Industrial and technological museum, Bangalore (VITM) is one of the units national council.

The museum was named after Sir M. Visvesvaraya fondly remembered Sir M.V.

The museum has 7 permanent exhibition hall and two special exhibits Dinosaur corner and the Wright brothers aeroplane this museum is located

to the government

muscum in the proximity
of urban park in

Kasturba Road, Bangalore

Karnataka, India.

Activities of VITM

→ ~~Taramaydal shao~~

→ popular science lecture

→ Science Demonstration

→ Sky observation program

membership of VITM:

VITM gives some facilities

to the member of VITM
 clubs like DSC club, RCC
 Tirupathi activity club.
 Innovation club membership
 club.

The satellite units of VITM
are:-

Regional science centre

District science centre

District science centre

Links to other organisations:-

VITM is linked with
 the other organisation like
 minister of culture Birla

Industrial and technological
museum - Kolkata, National
Science Centre - New Delhi
Indian Space - India.

Conclusion

Report of VITM

when ~~it~~ visited VITM

Bangalore the above
information is given by the
member of VITM. VITM is
currently assigned with
the task of ~~of~~ setting up a
regional science centre.

Activity-4

participate in a district/
state level science fair and
prepare a report on the
exchange and activities
presented.

Science fair :-

— A science fair Experiment
general a competition where
contstants present their
Science projects. Results in
the form of report, display
board, and or models that
they have created. Science

feins allow students in elementary middle and higher schools in elementary middle and high schools to complete in science and of technology activities, the main motive of a science fair is for science students

to answer a question or task. not from a text book but found is for science students to answer a question or task.

Themselves by conducting

arrange of experiments &
ongoing research in the
short amount of time
allocated to them in order
that the question of tasks
spark a ~~true~~ interest in
the student they should
be able to have an
interesting eye catching
project. Science fairs also
provide a mechanism for
students with intense
interest in the Science, to
be paired with mentors from

from near by colleges and
universities. Science fair
projects are normally intended
to demonstrate scientific
concepts on a small scale.
District - Level Inspire Science
Exhibition 2016.

Activity-5

Celebrate world ozone day
in the school during the
inter ship

Introduction:-

World ozone day has
been celebrated ~~since~~ 1994
and was established by
the united nations general
assembly the day is
mainly intended to
spread awareness of the
deflection of ~~the~~ ozone
layer and search for

Solutions to preserve it. people from all the world are exchanged to gather in mounted on September 16th of every year world ozone day is also celebrated all around the world. Educationaly usually set aside this day is also celebrated all around the world. Educationaly usually set aside this day to teach their students about the ozone layer and many schools organize special events and activities to raise

awareness. There are
 remembers activities & programs
 organize to spread awareness
 about the "global phenomenon"
 of ozone layer deflection.

Introduction of ozone:-

Ozone (O_3) is a gas found
 in our atmosphere. Each
 ozone molecule made of 3
 oxygen atoms. Ozone layer is
 mainly found in the lower
 portion of the stratosphere.
 Ozone layer can be deflected
 by free radical catalysts.

including sulfuric oxide. Nitrogen
oxide hydrogen atomic
chlorine etc.

Ozone hole:-

In the middle of the 21st
century a collective interest
in the human effect on the
environment had begun to

emerge the ozone layer is
present in the atmosphere
and it prevents excessive UV
radiation from entering
into the earth.

