## Water Cycle Project Examples



An excellent model can be made from inexpensive, easy to find materials. Be creative. Use these projects as inspiration but remember to check the rubric to ensure your project meets all of our class requirements.

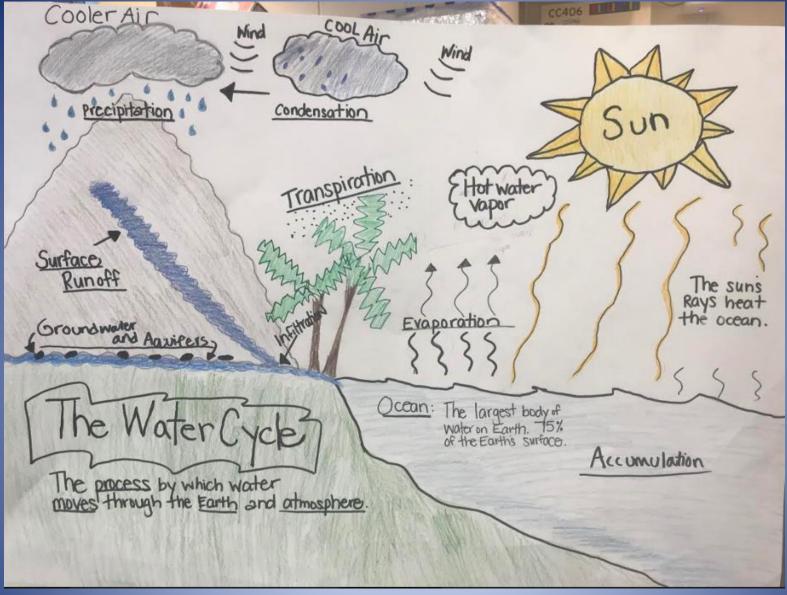


- Materials: Construction paper on poster paper.
- Easy to find, inexpensive materials.
- This project is a great visual representation BUT, it does not have enough components for an AD score and it lacks explanations of each component.



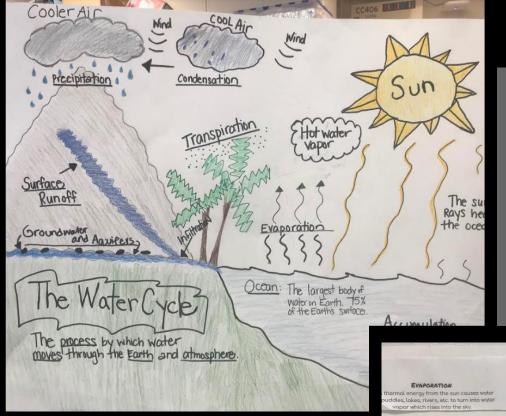
Materials: Plastic wrap, Tissue Paper, Typing paper, Glitter, Markers.

Excellent labels and explanations. Remember, YOUR project needs at least 6 components.



Materials: Markers, Colored Pencils, poster board

Feeling a little creative? Feel free to paint or draw your model. Remember your labels and you're set to go.



This student included explanations on the back of their model. This is an easy way to add important info without compromising the aesthetic of the model.

#### PRECIPITATION

en clouds reach a "critical mass" the water plets in the cloud fall to the earth in the form of rain, snow, sleet, hail, etc.

#### SURFACE RUNOFF

TRANSPIRATION

Transpiration is a certain type of evaporation. Transsiration accounts for 10% of the water that

rises into the air. In the process, plants release

excess water throught the pores in their leaves.

Surface runoff is the movement from landing to setting place. When water falls onto the ground, it usually does not stay in the place it lands.

infiltrates the surface. If the ground is less porus, the water will just runoff.

#### GROUNDWATER AND AQUIFERS

Groundwater is exactly what it sounds like; water that remains underground. The longer and deeper the water infiltrates into the ground, the cleaner the water becomes. Aquifers are just water to be stored underground.

#### GROUNDWATER DISCHARGE

CONDENSATION

vapor condenses into water drops. This process

is what causes the formation of clouds,

ACCUMULATION

When water runs off in a particular area it

eventually ends up gathering in one place. That is how a watershed is formed. These gathering

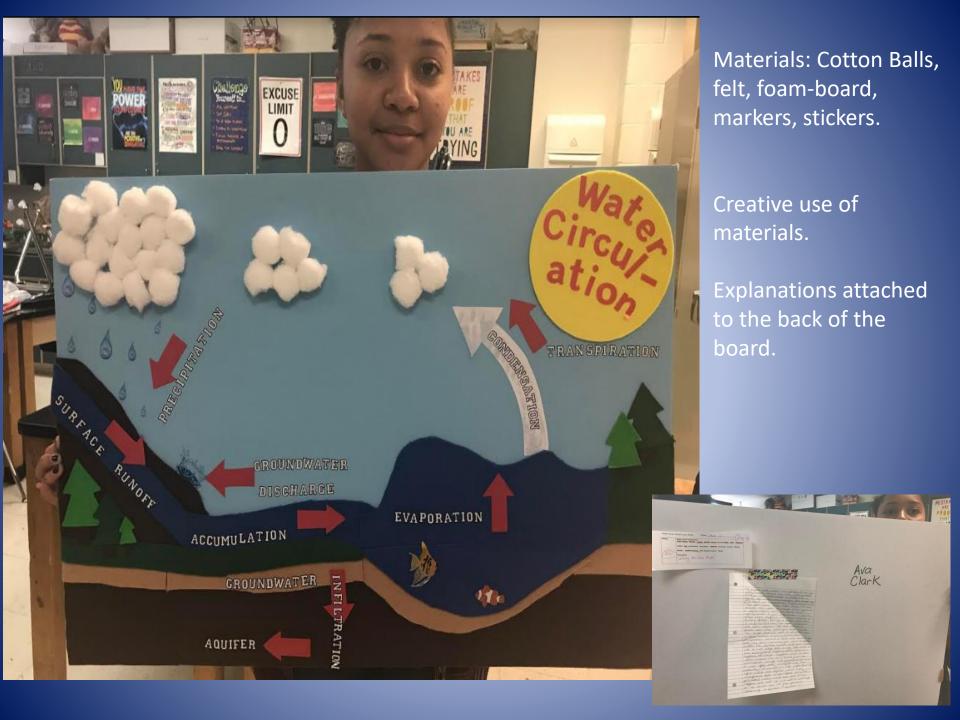
areas typically take the form of oceans.

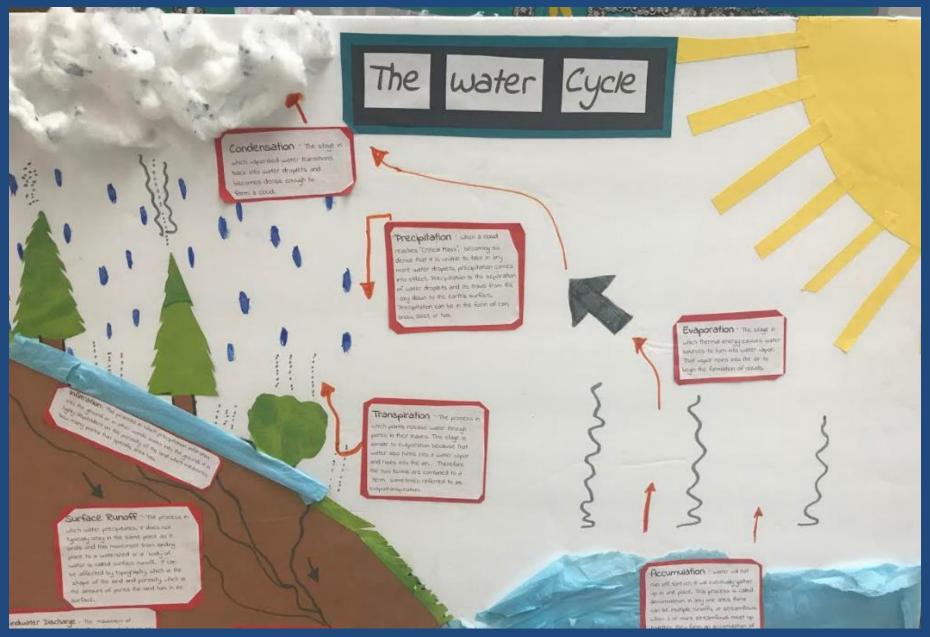
As the evaporated water cools down, the

When groundwater exits through natural springs/ out of an aquifer. We might also take out the water by digging or drilling through the ground

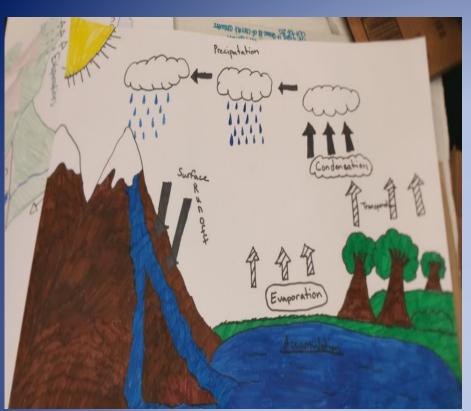
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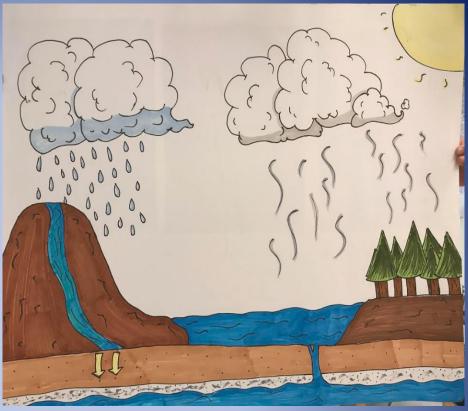






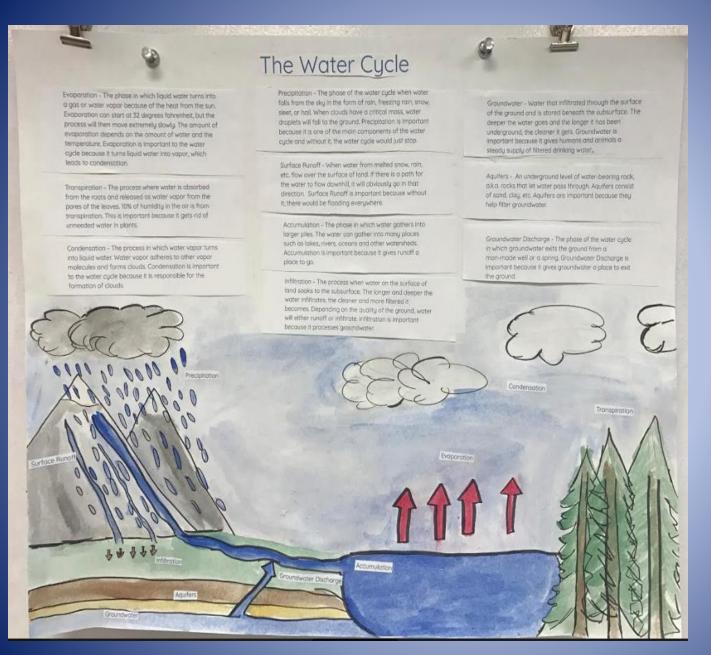
Another great example of using simple, easy to find materials to make an effective model.





Materials: Poster Board and Markers

Simple supplies can make a great visual! Remember, your project needs to include explanations/descriptions of each stage. They can be added directly to the model or on a separate sheet of paper.



Looking for a way to include all of you info and your model on the same poster?

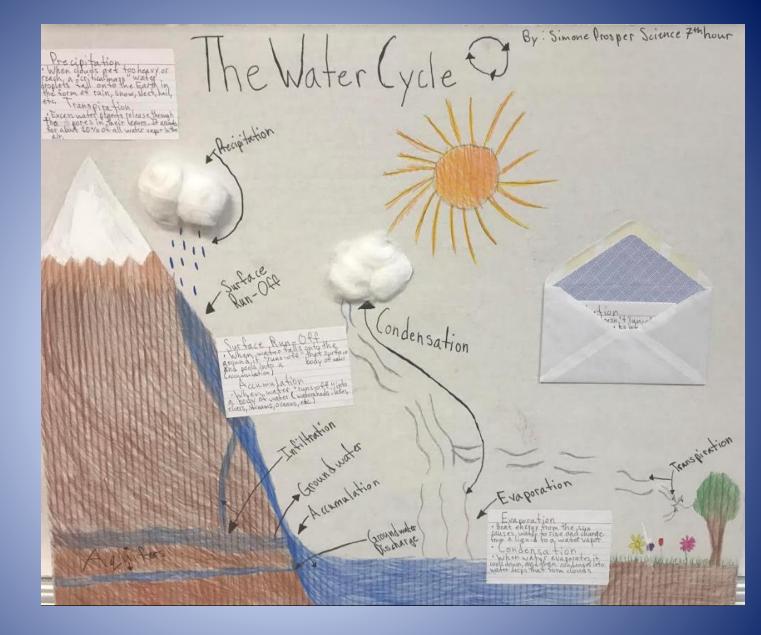
Consider a layout similar to this one.

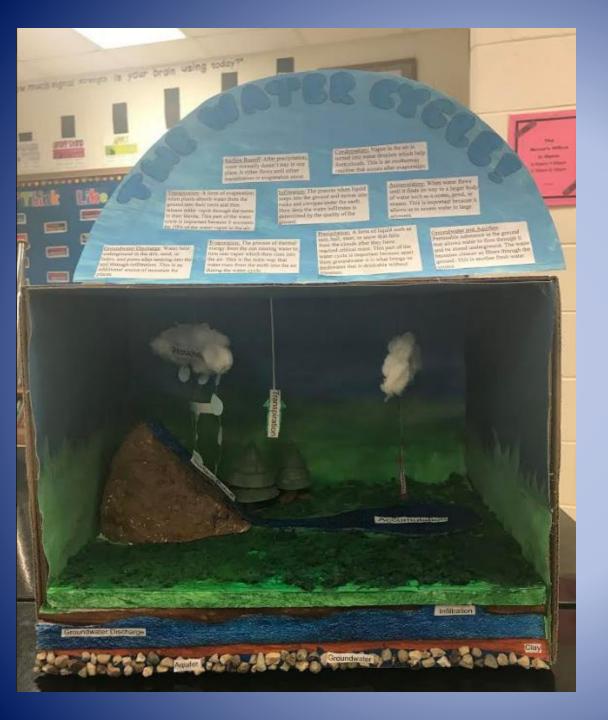
Materials: Typing paper, Markers, Watercolors, tape/glue.

Materials:
Poster Board,
Crayons,
Markers,
Cotton Balls,
Index Cards,
an Envelope.

Easy to find materials.

Creative way to display explanations.

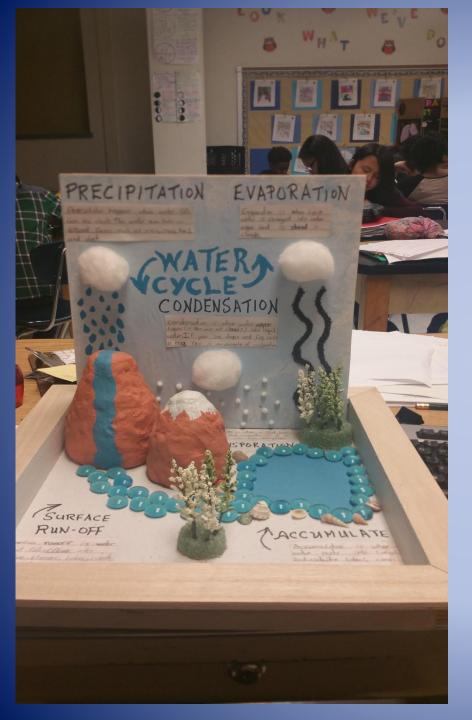




Old-fashioned box diorama.

Materials: Cardboard Box, Paint, Cotton Balls, Construction Paper, Fake Plants, Salt Dough, Tape, Index Cards

Makes a great visual.



### 3-D Model

Materials: Plywood, Craft Pom Poms (various sizes), Glass Beads, Salt Dough, Paint, Styrofoam, artificial plants, sea shells

More materials but most are easily found around the house or inexpensive to purchase. Creative, thoughtful representations of each stage (Be sure to proofread the spelling on your project though!)

# The proper adhesive makes a BIG difference. Use an adhesive that is best for the materials you choose.



Mod Podge:
Available in
multiple formulas
for various uses.
Great for
decoupage, paper,
wood, and fabric
applications.
Available at most

Glue Sticks:
Convenient and
easy to find.
Available in
multiple sizes. Best
for sticking paper
to paper.





Rubber Cement:
Good for long term
bonds on most
types of paper
including photo
paper, typing
paper, wrapping
paper,
construction
paper, etc. Easily
found near the
normal school glue
in most stores.

Cheaper than you may think. Mini glue guns like this one costs less than \$5 at most craft stores. Works on various materials including paper, metal, fabric, and more. But be careful—it's HOT!



## More Adhesive Options



Spray Adhesive:
Best for bonding
lightweight
materials such as
paper, cardboard
foam and fabric.
Dries clear. Fairly
inexpensive
(<\$5/can)

Glue Dots:
Available in small
and large sizes.
Mess Free and
easy to use. Works
best on paper
projects.





Many different varieties (masking, packing, duct, electrical, transparent, etc.). Always check the packaging to determine what each type bonds best with. Usually ineffective when wet.

Super glue:
There are tons of brands of super glue available.
Strong Hold. Bonds ceramics, wood, metal, and other heavier materials.
Dries quickly (45 seconds or less).

