

“Good education is not what fills your head with facts, but  
what stimulates curiosity.  
You then learn for the rest of your life.”  
-Neil deGrasse Tyson

Wenatchee Naturalist  
Curiosity Experiences...  
Susan Douglas, Elem. Science  
Almira School District  
Fall 2017





Believing that  
knowledge is  
not something  
you hold, but  
something  
you share...

My project became to share my curiosity and new knowledge with the children that surround me.

From the broken branches and the rich smells of evergreen....



We became trees...



# The discovery of native plants became OUR Grade 4 and 5 Native Plant Project..

10/23/17 -  
62°F 4-5pm  
small breeze -  
47.48.791  
118.53.085

2-3 Deciduous  
Common rabbit  
Shrub-steppe  
rocky soil

basalt outcrop  
height. Several  
presence - deer,  
hawk, etc. No  
drought. Some  
dead - no veg

soiltest  
farm consultants, inc.

AG LINK INC - ALMIRA  
BOX 177  
ALMIRA, WA 99103  
Laboratory #: 517-26999

Date Received:  
Grown:  
Sampled By:  
Field:  
Customer A:  
Customer S:


Soil Test Results		pH: 1.1	
Phosphorus	Clsen mg/kg	45	m.r
Potassium	NH4OAc mg/kg	886	E.C. 1.1 m.r
Boron	DTPA mg/kg	0.40	Est Sat Paste E.C. m.r
Zinc	DTPA mg/kg	0.9	Effervescence
Manganese	DTPA mg/kg	2.0	Ammonium - N
Copper	DTPA mg/kg	0.4	Organic Matter W.B.
Iron	DTPA mg/kg	7	
Calcium	NH4OAc meq/100g	17.8	Depth
Magnesium	NH4OAc meq/100g	4.1	inches
Sodium	NH4OAc meq/100g	0.14	mg/kg
Total Bases	NH4OAc meq/100g	24.4	0-12 25.4
Chloride	Soluble mg/kg	9	13-24 41.9
Other Tests:			Totals 67.3
			Sum of Tested N

10/29/17 4pm-5pm  
the site  
50°

Ephemeroptera  
population I believe this attached itself  
I was closer to creek. It appeared  
+ from creek on grass that was  
in old tree (dead). I was surprised  
it lasted about 60 seconds.

landed on the chest grass for about 1 min  
any other in the area. The creek area  
is creek, fast moving in some areas over  
autotrap - slower in other areas.


#2 Hymenoptera - 10/27/17 3:30pm - 4pm



Unknown population. The day I found this, already  
deceased, they were plentiful. In the general  
same location, more grassland than trees. The  
behavior of two observed others was slow movement -  
More fixation on an object than moving.

Water insects 10/29/17

1.5cm segmented, some transparency,  
under rock in narrow stream  
before I got in pick up from creek area.



0.9 cm black / gray-brown center color  
In 10x10 mesh I  
found about 14 of  
these. Muddy water  
9-18-17

translucent  
chamber green

10/29/17

Associated  
from back. Bush had  
+50° on its warmer weather  
≈ 60°F.

10/29/17  
100° field, shrub-stage  
open area

Larva?



Nuthatches and  
Flickers awaited  
our plantings.





We invited the county  
biologist....and then...



It snowed.







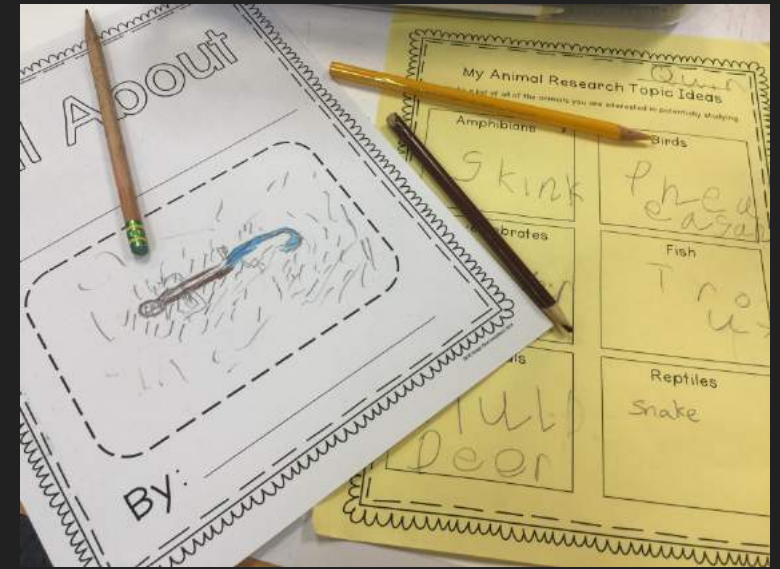






Meanwhile....studying native species..





was delivered to 1st graders...  
Who each chose a species to study







And our Wenatchee Valley College shared their  
wealth of animals....



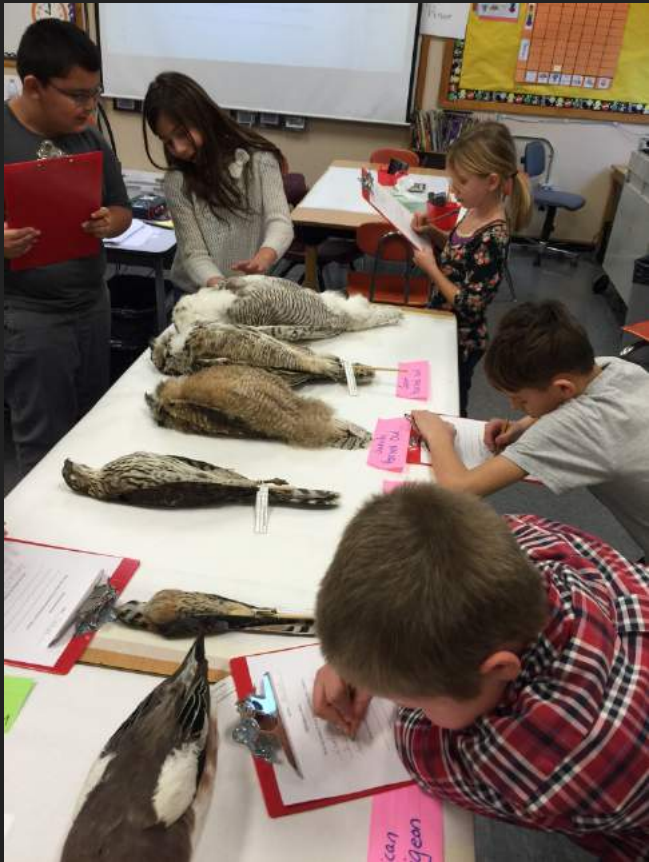
Many of these students were able to handle the exact animal of their study....

My other  
science students  
were just as  
interested,

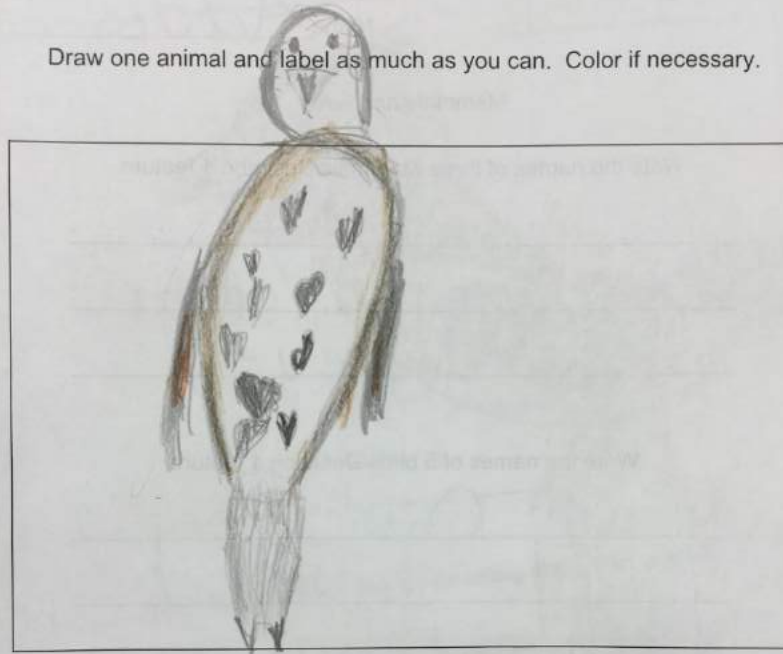
and I ended up  
sharing this  
curiosity...

with students  
ages 4-14





Draw one animal and label as much as you can. Color if necessary.



What do you think is most interesting about this animal?

Bottom of Northern  
Flicker looks like  
hearts



Steller Jay

What do you think is most interesting about this animal?

I think it is very cool. It looks like  
 it has a jaw hawk (105g) usually  
 in small groups. Feeds on variety  
 of seeds, fruit, and insects. It is Bore  
 No white markings. Common in coniferous  
 mixed woods. Long dark crest.  
 41.5 w 19" w 13.7 oz. Very dark  
 Talon Voice: Varied; most commonally



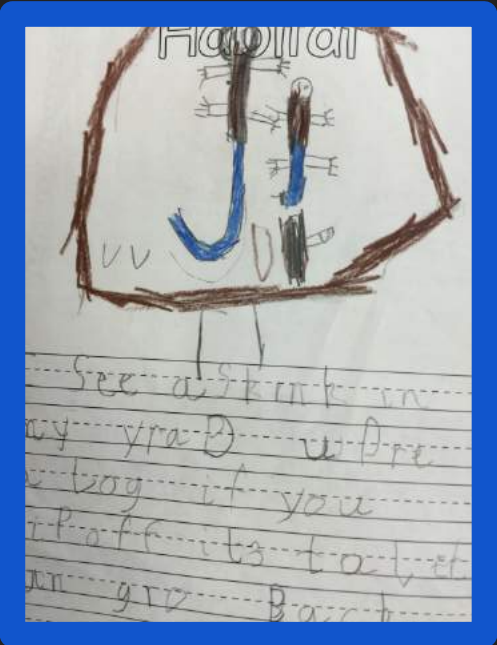
ends;

what was passed to me  
is now passed to another....

and the knowledge-not to be held by one  
is now held by many new hands and  
minds.



There's lots of knowledge  
There's lots of water  
There's lots of rocks  
They like the water  
They work very hard



See a stick in  
my yard where  
a boy and you  
profits to get  
an gro Bant





In the woods  
a man cast off his years as the snake is slough,  
and  
at what period soever of life,  
is always a child.

In the woods,  
is the perpetual youth.

Ralph Waldo Emerson



Thank you, Susan Ballinger...

for sharing your curiosity and passions-

And thanks to the community of perpetual youth for making this  
such a joyful journey!

