

ELINOR WONDERS WHY

EP# 114A Bubble House

By: Katherine Sandford

Elinor's Question: How can we make a bubble house like the spittle bug does?

Logline: Inspired by a spittle-bug Elinor, Olive and Ari decide to make a bubble house, but it's not as easy as they thought..

Curriculum Goals:

• LS5. Begin to understand that animals and plants depend on other living things and nonliving things in the environment to meet some of their needs:

a. Distinguish between living and nonliving things based on background knowledge and

b. Identify the habitats of familiar animals and plants in the environment

c. Recognize that each kind of living things has a habitat that has resources to meet its unique needs (Elinor and her friends observe the spittle-bug's bubble house, notice how he makes it (by blowing bubbles) and learn why (to hide inside).

ND3. (RTL Crosscutting concept 'Structure and Function'):

Understand that structures and materials in the natural world can be used or can inspire the engineering of structures with similar function in the designed world. [Elinor and her friends are inspired by the spittle bug's bubbles to make a bubble house of their own].

SEP1. Asking questions (science) and defining problems (engineering)

b. Ask more complex questions about observable phenomena

c. Ask and/or identify cause and effect questions that can be answered by an investigation

d. Identify a problem that can be solved by the design of a new or improved object or tool

(Elinor and her friends ask questions about the nature of bubble house and how it is made, then they replicate the method the spittle bug uses (blow lots of small bubbles) to make a bubble house.

SEP6. Constructing explanations (science) and Designing Solutions (engineering)

a. Use background knowledge experiences, and data to construct reasonable explanations and theories of natural phenomena (science)

b. Look for and describe patterns and relationships in natural phenomena (science)

c. Use and apply productive science discourse to support an explanation

d. Use evidence to support a theory or solution to a problem (engineering) (Elinor and her friends observe the spittle bug, then design their own bubble house).

MAINS: Elinor, Olive, Ari, Ranger Rabbit

LOCATIONS: Forest near Elinor's; Elinor's back yard

PROPS: Spittle bug, magnifying glass, pail, bubble wands and lots of BUBBLES

FIRST DRAFT: 22-May-19

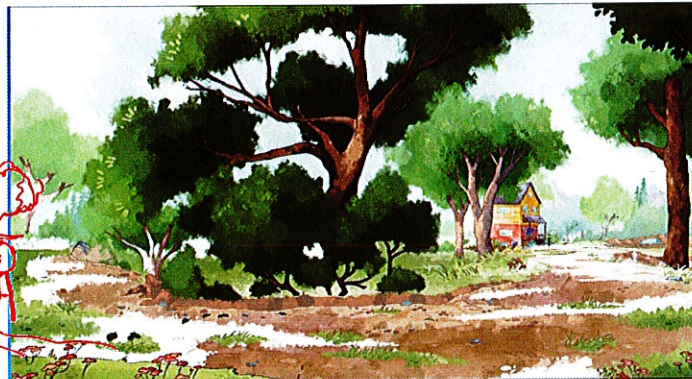
SECOND DRAFT: 18-June-19

POLISH: 02-July-19

RECORD DRAFT: 09-July-19



RANGER RABBIT
'Home' wear.



WATERSON OUT TO ELINOR FOR THE HOUSE HOPPING AROUND LOOKING AT THINGS. - WATERSON OUT AGAIN TO THE WIRE WHERE WE SEE

FOREST-003- 1. EXT. FOREST NEAR ELINOR'S HOUSE - DAY OLIVE BUILDING HER HOUSE & ARI DRAGGING A BRANCH.

ON: ARI is trudging along, dragging a large branch behind him. We can see ELINOR, hopping around in the background, looking at different natural things with interest, she keeps hopping around until just after line 13.

YOU MIGHT HAVE TO CREATE NEW ANGLES OR SEARCH FOR SUITABLE ANGLES.

OLIVE who is busy piling a low (ankle-height) row of leaves in a circle on the ground for the walls of her leaf house (mostly in her imagination).

ARI is walking backwards as he pulls a branch. He steps into Olive's leaf house and stops just before the branch drags through.

*ELINOR WORKS HER WAY TO OLIVE & ARI THROUGHOUT THE SEQUENCE.

1

OLIVE
(good-naturedly)

Careful, Ari. You almost dragged your branch through the wall of my leaf house.

She points at the leaves.



2

ARI

Whoops. Sorry about that, Olive. I need it for my stick house. I'll just get this out of... ugh, urgh.

He tries to back up with his branch, but it's awkward.



3

going forward, away from leaf house

OLIVE

(giggling)

You could just use the front door.

Olive smiles, gesturing to a gap in the leaves.

4

ARI

Oh, good idea. AS ARI IS ABOUT TO GET INTO KNOCKING MORE, OLIVE TURNS HER BACK ON ARI & PRETENDS SHE'S DOING SOMETHING.

Ari pushes the branch away from the leaf house and over to the front door. After thinking about it for a second, smiles and knocks on the pretend door.

5

ARI (CONT'D)

Knock, knock, knock.

6



OLIVE

(sing-song)

Who is it?

ARI

Ari.

STARTING FROM HERE - PLAY THIS AS SINGLE SHOTS, TO PUSH THAT ARI IS 'OUTSIDE' OF THE HOUSE AND OLIVE IS 'INSIDE'.



8 OLIVE 8
Ari who?

9 ARI 9
Ari sure it's me? Open the door and see.

TRUCK OUT AS OLIVE STEPS TOWARDS THE DOOR AND OPENS THE DOOR
Olive opens the pretend door.

10 OLIVE 10
(giggling)
Funnneee.
(making door sound)
Rrrr. Oh, hi, Ari! How nice to see you.

11 ARI 11
Nice to see you too, Olive. Would you mind if I dragged my branch through your leaf house?

12 OLIVE 12
Not at all. Let me open the back door for you. Rrrrrr.

Olive pantomimes opening the pretend back door (another gap in the leaves) and Ari drags his stick through.

13 ARI *AS HE PASSES THROUGH THE HOUSE* 13
Love what you've done with the place.

14 OLIVE 14
Thanks. Stop by any time. *"CLOSING THE DOOR" pretend*

WIDEN: Ari sets his branch in place close to where Elinor is looking around. *SETTLING NEAR BY.*

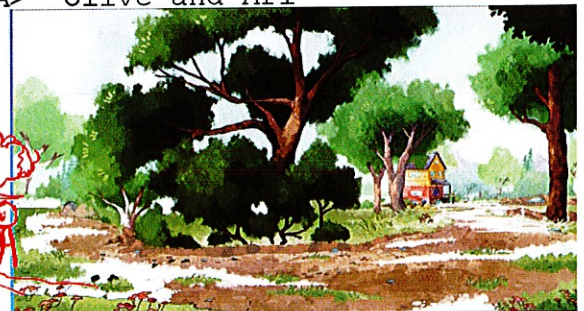
15 ARI 15
My stick house is gonna be AWESOME!
Have you figured out what you're going to make your house with, Elinor?

16 ELINOR 16
No... I'm still not sure...
(sees something) *Screen LEFT*
Wait, what's this?

Elinor has spotted something on a nearby branch. She hops over for a closer look. <SFX: Ooooh WALLA> Olive and Ari approach. *-CURIOUS*

EXTEND Bg

You'll probably need to create new views.



17 ARI 17
What did you find?

Their curious friend points to her latest discovery.

18 ELINOR 18
Look! Bubbles...

SCIENCE CU: The kids gaze at a glob of bubbly foam resting on a nearby branch.

19 OLIVE 19
How did bubbles get on a tree?

20 ARI 20
Maybe the plant's washing its hands.

21 ELINOR 21
Or maybe it's taking a bubble bath.

Just at that moment the bubbles wiggle a little.

22 ARI 22
<GASP!> Did those bubbles just
WIGGLE??

The bubbles move again.

23 OLIVE 23
How can bubbles move on their own?
They aren't alive, are they?

24 ELINOR 24
Hmmm... We need MORE observations!

Olive takes the magnifying glass out of her satchel and they all look through.

MAGNIFYING GLASS POV: the bubbles move again then a little SPITTLE BUG crawls out.

<https://www.nytimes.com/2019/02/19/science/spittlebugs-bubble-home.html>

25 ARI 25
<GASP!> A BUG!

26 OLIVE 26
It was INSIDE the bubbles. That's what made them move.

Have the Bug EXIT OUT
OF THE TOP OF THE SPITTLE,
SO ALL THE KIDS CAN SEE IT.

Another
Science moment

27 ELINOR 27
(excited)
That is SO INTERESTING!

The spittle bug hears Elinor's voice he retreats back into his bubbles.

28 ELINOR (CONT'D) 28
Uh-oh, the bug's gone back in his bubbles. Bye-bye bug.

26 At that moment RANGER RABBIT calls from the yard nearby. 26

29 RANGER RABBIT *off screen* 29
(calling)
Hey kids! Who's ready for some snacks?

<SFX: EXCITED YEAH WALLA> The kids *leaf* run, hop and flutter OS.

Along the PATH PAST OLIVE'S 'HOUSE' AND DOWN THE PATH.

2. EXT. ELINOR'S BACK YARD -- DAY

The kids rush into the yard. *You'll need to create a new view of the house. See below*

30 ELINOR 30
Mom! Mom! You'll never guess what we found!

Ranger Rabbit has laid out the snacks (veggies sticks, sandwiches and water in cups with paper straws).



RANGER RABBIT 31
Something exciting, I can tell.

ELINOR *KIDS SETTLE IN AT THE TABLE.* 32
There were these bubbles on a tree and then we saw a BUG inside the bubbles!

They dive in and start <SFX: MUNCHING> on the snacks. Ari
<SFX: SLUUUURPS> his water through a straw.

33 ARI 33
(to himself)
Mmmmm. Slurpy.

34 RANGER RABBIT 34
Sounds like you found a spittle bug, Elinor.

35 ELINOR 35
A spittle bug?



The kids enter from the screen left side of the house. As mom is setting up the picnic table w/ snacks & drinks

KID'S PICNIC TABLE

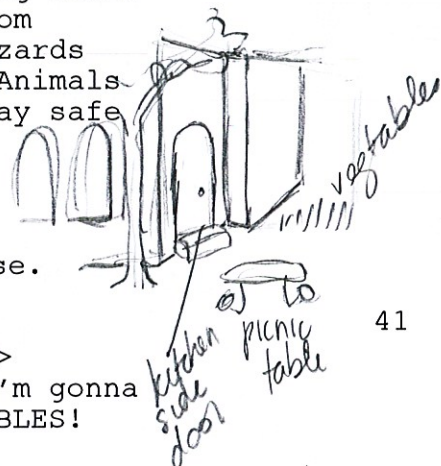
36 RANGER RABBIT 36
It's a bug that makes itself a
little house of bubbles and hides
inside.

37 ELINOR 37
Yes! We saw the spittle bug hiding.
(To herself)
Whoa, wait...I wonder why it does
that?

38 ARI 38
Maybe it likes to eat the bubbles.

39 OLIVE 39
Maybe it's playing hide and seek.

40 RANGER RABBIT 40
Close, Olive. The spittle bug makes
its bubble house to hide from
creatures like birds and lizards
that might want to eat it. Animals
use all kinds of ways to stay safe
in Nature.
(she picks up a tray)
Well, enjoy your snacks.



Ranger Rabbit heads back into the house.

41 ELINOR 41
Wow... A bubble house... <GASP!>
I just had a bubbly idea! I'm gonna
make my house out of... BUBBLES!
Just like the spittle bug!

42 ARI 42
Cool! A bubble house! I want one
too!

43 OLIVE 43
Yeah, me too! (beat) Uh, but... how
do we make a bubble house?

44 ELINOR 44
Hmmm. I'm not sure but let's go
get my bubble stuff and see if we
can figure it out.

Elinor and Olive run off to get the bubble stuff, and Ari
stays behind to take one last <SFX: SLUUURRP> of his water
through his straw.

Let's go wide enough to show Elinor & Olive
Run into the house. Perhaps we stay on Ari
during a series of soft cuts of him enjoying
the snacks & water as the girls collect the
bubble supplies

The Kids Exit The House And Places The Bucket

3. EXT. ELINOR'S BACK YARD - MINUTES LATER

Elinor and Olive come running out of the house with a small pail of soap and water and bubble wands.

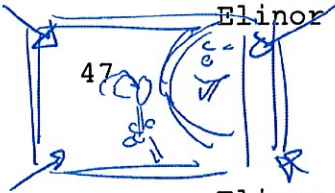
on the table as Ari finishes off the snacks. Maybe he takes one last swig of water to wash down the food.

45 OLIVE
Here we go.

Olive puts down the pail.

46 ELINOR
First we poured liquid soap into this water, and now we mix it up.

Elinor stirs it with her bubble wand.



ELINOR (CONT'D)
Now we pull out the bubble wand and... BLOW! *THICK IN CLOSE TO SHOW BUBBLE*

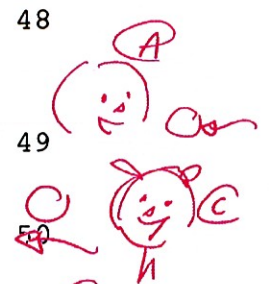
Elinor <SFX: BLOWS GENTLY>. Out pops a bubble. *GENTLE BLOW SFX.*

47 MAYBE HAVE A BUBBLE COAT PAST ARI. DISTORTING ITS FACE.

48 ARI
(amazed)
Cooooool!

49 *blow design fx.* OLIVE
Can I try?

50 ELINOR
Sure!



Olive grabs the wand with her trunk and <SFX: BLOWS HARD> and fails.

51 ELINOR (CONT'D)
Try blowing a little more gently.

51 LOOK BACK to cue the cut.

Olive <SFX: BLOWS GENTLY> - and then blows a bubble.

52 ARI
That's an AWESOME bubble, Olive!

The kids watch it float away.

53 OLIVE
Thanks, Ari. Your turn.

Ari <SFX: BLOWS> a bubble.

54 ARI
I did it! I made a bubble!

54

MAYBE A TINY BUBBLE COULD BE FUNNY.

55

ELINOR

55

(thinking)

But how do we make a whole house of bubbles?

(declaratively)

Well, one thing we need for sure is MORE BUBBLES!

Be creative with your use of the BUBBLES and HAVE FUN WITH THE SONG. SINCE IT'S A SONG SEQUENCE WE CAN BE A BIT MORE SURREALISTIC AND GRAPHIC. PLAY IT ON A WHITE COLOUR CARD. SOME SCENES SHOULD HAVE BUBBLES FLOATING THROUGH IN THE BG. AND REMEMBER, THEY NEED TO LOOK LIKE THEY'RE SINGING - DON'T RELY ON CLICHE SINGING POSES.

THE BUBBLE SONG The kids are running around blowing bubbles as they sing.

THE KIDS START BLOWING BUBBLES ON THE MUSIC AS THEY SIT AROUND THE TABLE

(singing)

Bubble, bubble, bubble,
We're gonna blow some bubbles.
Elinor: To build a Bubble House,
Olive: Like a Spittle Bug,
Ari: And then we'll get inside!

ELINOR: (spoken, sing-song) Let's try blowing lots of little bubbles and then put them together to make the house.

ALL: Bubble, bubble, bubble,
We'll blow lots of baby bubbles.
Elinor: A whole pile of bubbles.
Ari: And try to get inside.

They run around trying to gather up individual bubbles and get them to stick together, but they all <SFX: POP! POP! POP!>

* Please indicate the 'TING' in the sound

ELINOR: (spoken, sing-song, laughing) That didn't work...
OLIVE: (spoken, sing-song, laughing) Let's try again.
ARI: (spoken, sing-song, laughing) Let's make one BIG bubble this time.

Olive is bending the bubble wand to make it bigger - or maybe putting two together.

ALL: Bubble, bubble, bubble.
Let's blow a big, big bubble.
(MORE)

3SHOT

WALK OUT TO REVEAL A BIG BUBBLE

* somewhere in song - could have down shot of 3 kids looking up as bubble rises toward camera - fills frame

* VARIOUS SHOTS OF BUBBLES FLOATING THROUGH THE SCOT WITH THE REFLECTION OF ONE OF THE KIDS SINGING IN A BUBBLE

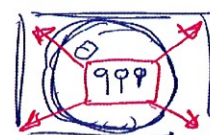
ARI ENTERS FROM ABOVE



TALKING TO BOTH ARI & OLIVE

KIDS TRYING TO CATCH THE BUBBLES - POPPING THEM ON THE 'TING' ALL THE BUBBLES POP

* BABY BUBBLES RISES UP AND FLOATS THROUGH SHOT WIPING TO THE NEXT SCENE STARTING ON "LOTS"



ARI FLOATING ON BIG BUBBLE

TAKE CUT AS

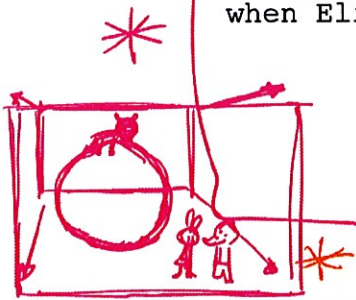
ELINOR, OLIVE AND ARI (CONT'D)

Ari: A humongous bubble

Elinor: And try to get inside!

ELINOR GOES TO TOUCH THE BUBBLE

They blow the biggest bubble possible (it's not that big) but when Elinor touches it - it <SFX: POPS!>

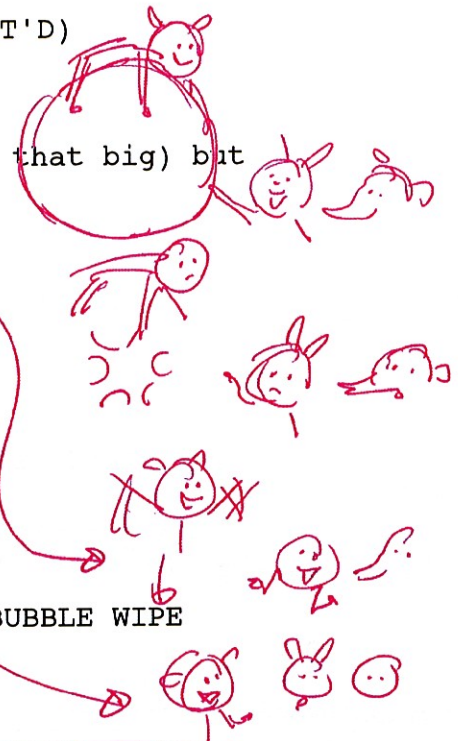


ELINOR (spoken, laughing) That didn't work either,

ARI: (spoken, laughing) Now what do we do?

ALL: Bubble, bubble, bubble, We blew lots of bubbles

But we couldn't build a house. Like the Spittle Bug does. To get inside.



BUBBLE WIPE

3 SIZES DIFFERENT SIZED BUBBLES ENTER UP AND WIPE SCENE STARTING ON "LOTS"
4. EXT. ELINOR'S BACK YARD -- LATER

Bubbles are floating around the yard and <SFX: POPPING>. One <POPS> on Olive's trunk. Olive and Ari <SFX: LAUGH>, but Elinor looks determined and puzzled. At that moment, Mom comes out the back door.

57

RANGER RABBIT

How's the bubble building going?

58

ARI

Well the good news is - we blew a TON of bubbles! The not-so-good news is - we couldn't build a bubble house.

59

ELINOR

First we blew a lot of little bubbles, but we couldn't get them to stick together.

60

OLIVE

Then we blew a really ENORMOUS bubble but it popped when we tried to get inside.

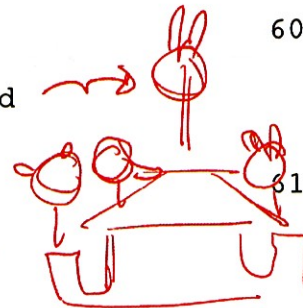
61

ELINOR

(a little disappointed)

I guess we'll never make a bubble house, and I really wanted one.

** THE KIDS BLOW BUBBLES DURING THE BREAK BETWEEN "BUG DOES" AND "TO GET" AFTER THE BIG FINISH ROSE FOR "INSIDE" THE KIDS GO BACK TO BUSINESS*



~~Olive pats her hand on Elinor's shoulder.~~

**ARI FLOATING ON BIG BUBBLE - ELINOR GOES TO TOUCH IT, SHE SHOULDN'T LOOK SHE'S TRYING TO POP IT. BUBBLE POPS AND ARI FLAPS SAFELY DOWN*

62 OLIVE 62
Me too.

~~Ari puts his hand on Olive's shoulder.~~

63 ARI 63
Me THREE.

The three kids <SFX: SIGH> with disappointment.

*REACT UP THE
DISAPPOINTMENT*

64 RANGER RABBIT 64
HMMMMMM, so you wanted to make a
bubble house just like the spittle
bug did, and you tried to make it
using your bubble wands?

65 OLIVE 65
Yep, but that didn't work.

66 RANGER RABBIT 66
Well, did you observe how the
spittle bug makes its bubble house?

67 ARI 67
What do you mean, Mrs. Rabbit?

68 RANGER RABBIT 68
Sometimes to learn from Nature,
it's important to observe HOW an
animal does something, not just
WHAT they do.

69 ELINOR 69
I never thought about it that way
before. We saw the bubble house
that the spittle bug made, but we
never saw the spittle bug MAKING
the bubble house.

(energized)
We need even MORE observations!

*WATERSON OUT
ON ELINOR*

5. EXT. FOREST NEAR ELINOR'S - DAY

WATERSON IN STARTING ON THE SPITTLE AND OUT TO
The kids go back to the spittle bug tree. *A 3 SHOT AS THE KIDS*

70 ELINOR
There's the bubble house.

SETTLE IN BY THE TREE.

71 ARI
But where's the spittle bug?

*SWITCH UP ARI
71
& ELINOR'S POSITION.*

72 OLIVE 72
It's probably inside.



73

ELINOR

Let's be really, really quiet and watch closely.

73

74

ARI

Right. We don't want to scare it again.



~~At~~ At that moment the Spittle Bug comes out of the bubbles.

75

ARI (CONT'D)

(excited, forgetting)

There he IS!

75

Elinor and Olive good-naturedly <SFX: SHHH> Ari.

76

ARI (CONT'D)

(whispering)

Whoops, sorry.

76

77

OLIVE

Let's see what he does.

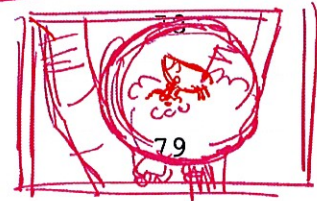
77

Olive takes out the magnifying glass. MAGNIFYING POV: The Spittle Bug is blowing into the goopy liquid. NOTE the spittle bug blows the bubbles out of his abdomen rear. *-E.C.U.*

78

OLIVE (CONT'D)

Look! He's making bubbles for his bubble house.



79

ARI

But how? He doesn't have a bubble wand or anything.

CUT TO A

3 SHOT - MID

LOOK TO ARI DURING HIS DIAL. THEN BACK TO BUG

SCIENCE ECU: The spittle bug blowing bubbles - we see the bubbles appearing one by one.

80

ELINOR

Ooooh. The spittle bug doesn't blow bubbles into the air and then stick them together. It blows right into the goopy liquid to make the bubbles!



81

ARI

Whoa... Foamy!

81

82

OLIVE

That makes lots of really tiny bubbles already stuck together, and they don't all pop when he crawls inside...

82

BACK ON: Elinor, she has an idea.

* 83
try to match
perspective
have 3 kids start to
run to scene right

ELINOR

(the penny drops)

That's IT! That's what WE should
do. Come on!

83



6. EXT. ELINOR'S BACK YARD - DAY

Elinor, Ari and Olive run back into the yard, where Ranger
Rabbit is clearing up the snack plates.

we water on off by - kids still running on white as we
water on on backyard
BG - as kids settle

84

RANGER RABBIT

Well, what did you learn?

84

85

ELINOR

The spittle bug makes lots and lots
of really tiny bubbles.

85

86

ARI

But it doesn't use a bubble wand.

86

87

OLIVE

It blows right INTO his bubble
stuff.

87

88

RANGER RABBIT

Huh. That is really interesting.

88

89

ELINOR

Yeah. But... How are WE going to
blow air into OUR bubble stuff?

89

90

OLIVE

Good question. Hmmmm.

90

91

RANGER RABBIT

It sounds like you're on the right
track, kids. I'll be right back.

91

Ranger Rabbit takes the plates inside.

92

ARI

All this talking about bubbles has
made me thirsty. — Ari STOPS to TABLE & GETS HIS

92

Ari finishes his drink. <SFX: Sluuuuurrrrrp...> then sighs <SFX: DRINK
AHHHH WALLA> which makes the water <SFX: BUBBLE> a bit. Ari
notices Elinor watching.

93

ARI (CONT'D)

What?

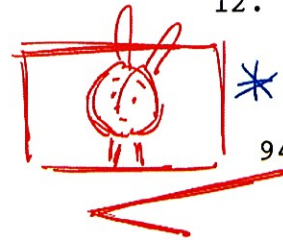


on Ari

93

**NEW ANGLE on the KIDS*

Elinor smiles.



94

ELINOR

Ari, may I borrow your straw,
please.

94

Ari hands Elinor the straw. She puts it in the bubble stuff.

95

ARI

Wait, Elinor! Don't drink the
bubble stuff. It's SOAP! BLECH!!



Elinor takes a <SFX: BREATH> and then starts to blow air into
the soapy mixture. <SFX: BLUB, BLUB, BLUB>

96

OLIVE

I don't think she's trying to drink
the bubble stuff, Ari. She's using
the straw to blow air INTO the
bubble stuff, just like the spittle
bug did.



ECU: A few bubbles froth up.

97

OLIVE (CONT'D)

It's working!



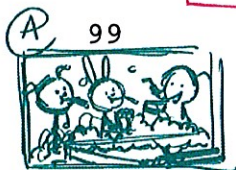
98

ARI

Let's help.

*BUBBLES
grow*

Ari and Olive grab straws and join Elinor taking <SFX:
BREATHS> and then blowing into the frothy liquid. Bubbles
<SFX: BUBBLE UP> and over the edge of the container and start
gathering on the ground.



99

OLIVE

Wow! Look at those bubbles! We can
definitely make a bubble house like
that. Keep going!

99

*BUBBLES
fill
FRAME*

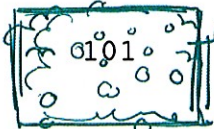
Finally, they make a REALLY big mountain of suds!

*(B) KIDS
100 more
blow BUBBLES from the cap*

ARI

Bubble-o-rama!! Now THAT's a Bubble
House.

100



(C) fill frame

OLIVE

Try to get inside, Elinor.

101

Elinor crawls inside the mound of bubbles and pokes her face
out the front. *CLIMBS UP ONTO THE SEAT AND THEN ON TO
THE TABLE. AS ELINOR CLIMBS IN,*

102

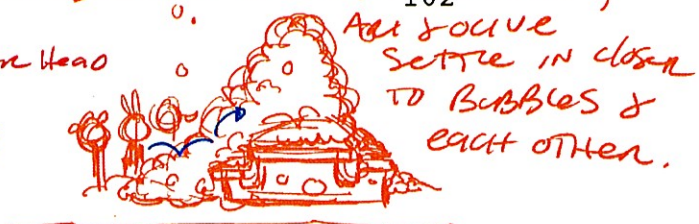
ELINOR

<GASP!> We DID it!

BUBBLES on Her Head

102

*AFTER THE MISC, ELINOR NOTICES
mom & KIDS IN THE BUBBLES*



Olive and Ari high-five <SFX: CELEBRATION WALLA>, then Elinor's Mom joins them.



103

RANGER RABBIT

Wow, that's some impressive bubble building. But where's Elinor?

Elinor calls from her bubble house!

104

ELINOR

Here I am! - *BUBBLES ON HER HEAD*

105

RANGER RABBIT

(laughing)

I didn't see you at first. How did you make such a great Bubble house?



106

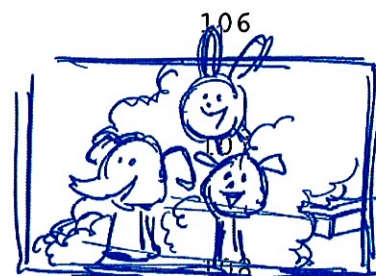
ELINOR

We blew air INTO the bubble stuff, just like the spittle bug did.

107

OLIVE

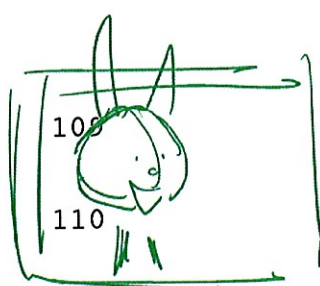
And that made a whole bunch of SMALL bubbles stuck together.



108

ARI

It's like you said, Mrs. Rabbit. We looked closely to learn HOW the bug does it in Nature, and that's how we got the idea.



CUT IN ON R.R. SO WE CAN CUT BACK TO THE KIDS IN THE ANGLE ABOVE

RANGER RABBIT

Well, nice work, scientists.

ELINOR

Thanks Mom.

(to Olive and Ari)

Who wants to come into our bubble house with me?

111

ARI

Don't mind if I do.

111

112

OLIVE

But... where's the door?

112

113

ELINOR

Oops, wait a second.

113

Elinor disappears for a beat, then pokes her face out the side.

114

ELINOR (CONT'D)

Ta-dah!

114

115 ARI 115
(it's obvious)
Oh, there it is.

116 OLIVE 116
(giggling)
I don't know why we didn't see it before.

Have some fun with the kids playing in the bubbles
All the kids <SFX: GIGGLE> Olive and Ari climb into the Bubble House. A beat then, <SFX: Pop! Pop! Pop!> Three cute faces poke out of the bubbles.

Ari can fly up over it & hover down to get inside

117 ELINOR 117
Peek-a-bubble!

118 RANGER RABBIT 118
Awww, look. Three cute spittle bugs.

The three kids <SFX: LAUGH> *WATERSON OUT ON THE BUBBLE HOUSE*

SEGMENT 2.

1. INT. SCHOOL -- DAY

Open on MZ. MOLE, ELINOR, OLIVE, ARI and KIDS (as necessary).
Mz. Mole is filling little paper bags with popcorn

119 MZ. MOLE 119
Everyone grab a little snack bag of popcorn for our walk.

120 ELINOR 120
But I'm not hungry right now, Mz. Mole.

Mz. Mole continues to fill bags as other kids each grab one

121 MZ. MOLE 121
Sure, but if we bring it with us now and then you get hungry later..

122 ARI 122
...we can stay outside longer!

Elinor shrugs and grabs a bag.

- maybe Ari pops back in then out in a different spot - then Olive does it - always keeping all 3 in frame - [giggling] - water son out to white

2. EXT. TRAIL -- DAY

Mz. Mole (now wearing a PUFFY COAT) and the kids walk/skip along a trail. After a few moments Mz. Mole stops near a few stumps/logs. The kids gather around, several start to eat some popcorn.

123	MZ. MOLE	123
	Today we are doing story time OUTSIDE.	

Mz. Mole then pulls out a book. She opens the books and we see a scene of a pond with a log

3. EXT. POND -- DAY

124	MZ. MOLE	124
	All animals living on land need air to breathe. That's true for you, me, and this beetle here.	

We see a beetle crawl out on the log and twiddle his antennae as a breeze passes over him.

125	MZ. MOLE (CONT'D)	125
	But this little beetle loves to explore underwater.	

126	ELINOR	126
	Why does the beetle go underwater, Mz. Mole?	

127	MS. MOLE	127
	That's where the beetle finds food!	

We see the beetle crawl to the underside of the log which is in the water. The underwater world opens up and we see lots of different plants (glistening). We see the beetle leap downward towards the plants.

128	ELINOR	128
	There's a lot to explore down there.	

Before reaching the plant the beetle dashes to the surface

129	OLIVE	129
	Why did he come back up?	

130	MZ. MOLE	130
	He needs to breathe air, just like we do.	

131 ELINOR 131
But how will he find his food?

132 MZ. MOLE 132

Well, some special beetles have
figured out a way to bring air down
with them. They make a bubble!

Just below the surface the beetle flutters his Elytra (hard wing covering) which break the surface (tension) of the water. A glistening bubble of air is caught in between the elytra and the body. The beetle moves a bit and then dives back under the water with the bubble stuck to him <SFX: KIDS WHOA> <https://www.pbs.org/video/deep-look-beetle-divers/>

133 ARI 133

Can he breathe the air in the
bubble?

134 MZ. MOLE 134
Why yes he can!

135 ELINOR 135

That's so interesting! Now he can
stay underwater longer and find
food.

136	MZ. MOLE	136
	Yes! These beetles can stay underwater a very long time, exploring for food and having fun.	

The beetle cruises around underwater, zipping among the plants, even doing flips in the water as he speeds between them.

Kids laugh as more beetles zip about in the pond. <SFX:
CRUNCH, CRUNCH>

3. EXT. TRAIL -- DAY

Mz. Mole closes the book. We see Elinor with popcorn in her mouth looking a bit guilty <SFX: kids chuckling>

137 MZ. MOLE 137

It's a pretty smart trick to take
what you need with you. The beetle
took its air bubble and we took a
snack!

138 ELINOR 138
Mz. Mole, don't you want some
popcorn?

We pan out to see Mz. Mole in her very puffy coat. Mz. Mole has a wry smile.

139

MZ. MOLE

139

Well...

Mz Mole unzips her coat a bit. It opens and a mountain of popcorn comes pouring out.

140

MZ. MOLE (CONT'D)

140

I DID BRING some!

The kids erupt in laughter.

THE END.

