

nano  
MICRO ROBOTIC  
CREATURES



FIELD GUIDE





# FIELD GUIDE

NEWTON Identification steps



NEWTON gravity series



! NEWTON orbit series



NEWTON motion series



NEWTON calculus series



NEWTON refraction series



NEWTON mutations



# FIELD GUIDE

! GALILEO Identification steps



! GALILEO astronomy series



! Mutant update - Fall 2010



**Collectors:** note that we have found the following sites invaluable during our research and recommend with a parents approval that you visit them...

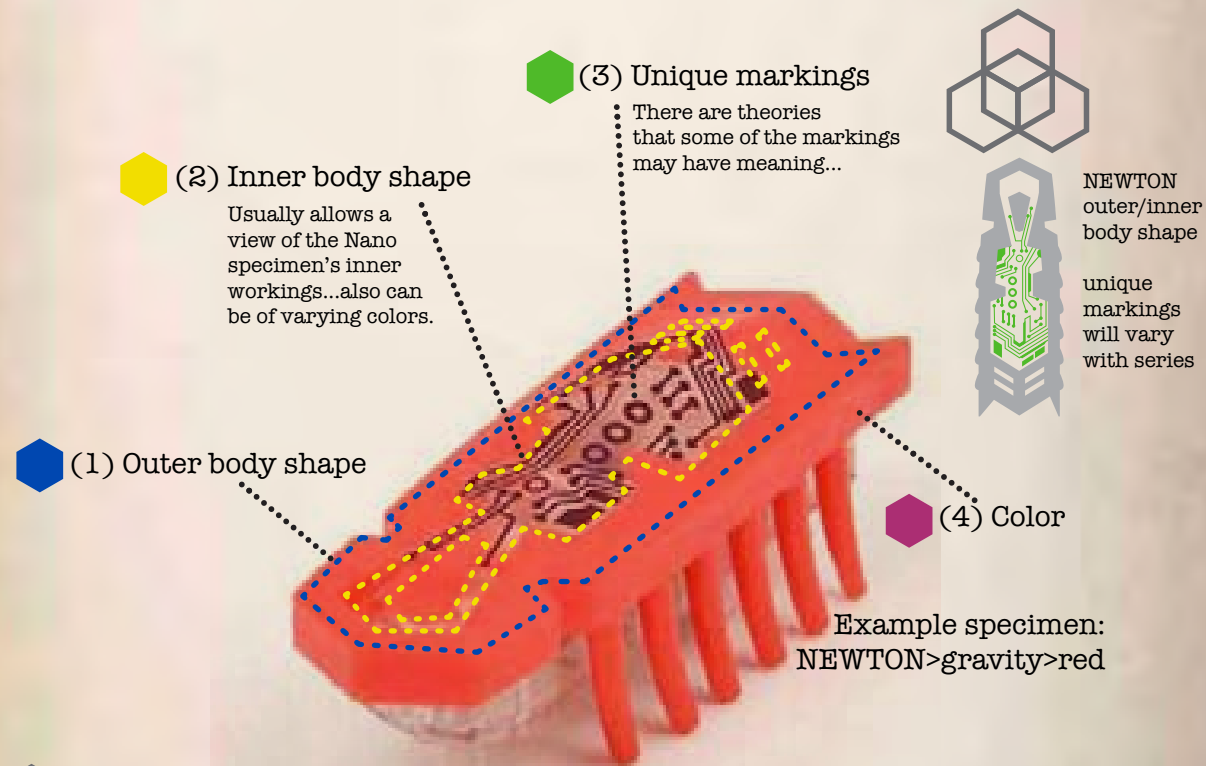
[www.hexbug.com/nano](http://www.hexbug.com/nano) and [www.handandstars.com](http://www.handandstars.com)

HEXBUG



## NEWTON Identification steps

Collector: there are (4) steps one should use to identify and categorize a Newton Nano specimen:



## NEWTON Nano swarm locations

Data is still being gathered.



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## NEWTON series / gravity

Collector: there are (5) known varieties within this series.



NEWTON outer/inner body shape

unique markings



NEWTON series Gravity / green  
Common sighting  
2,000 Lumens



NEWTON series Gravity / blue  
Less common sighting  
2,500 Lumens



NEWTON series Gravity / red  
Uncommon sighting  
3,500 Lumens



NEWTON series Gravity / orange  
Rare sighting  
5,000 Lumens



NEWTON series Gravity / purple  
Very rare sighting  
10,000 Lumens



## NEWTON series / mutations

Collector: there are (2) known mutations within this series.



NEWTON mutation

outer/inner body shape

unique markings



NEWTON mutation blue / red  
Extremely rare sighting  
12,500 Lumens



NEWTON mutation black / red  
Extremely rare sighting  
15,000 Lumens



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## NEWTON series / orbit

Collector: there are (5) known varieties within this series.



NEWTON  
outer/inner  
body shape

unique  
markings



NEWTON series  
Orbit / blue  
Common sighting  
2,000 Lumens



NEWTON series  
Orbit / green  
Less common sighting  
2,500 Lumens



NEWTON series  
Orbit / black  
Uncommon sighting  
3,500 Lumens



NEWTON series  
Orbit / purple  
Rare sighting  
5,000 Lumens



NEWTON series  
Orbit / red  
Very rare sighting  
10,000 Lumens



## NEWTON series / mutations

Collector: there is (1) known mutation within this series.



NEWTON  
mutation

outer/inner  
body shape

unique  
markings



NEWTON mutation (shown in specimen tube)  
blue / green  
Extremely rare sighting  
12,500 Lumens



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## NEWTON series / motion

Collector: there are (5) known varieties within this series.



NEWTON  
outer/inner  
body shape

unique  
markings



NEWTON series  
Motion / black  
Common sighting  
2,000 Lumens



NEWTON series  
Motion / teal  
Less common sighting  
2,500 Lumens



NEWTON series  
Motion / grey  
Uncommon sighting  
3,500 Lumens



NEWTON series  
Motion / pink  
Rare sighting  
5,000 Lumens



NEWTON series  
Motion / yellow  
Very rare sighting  
10,000 Lumens

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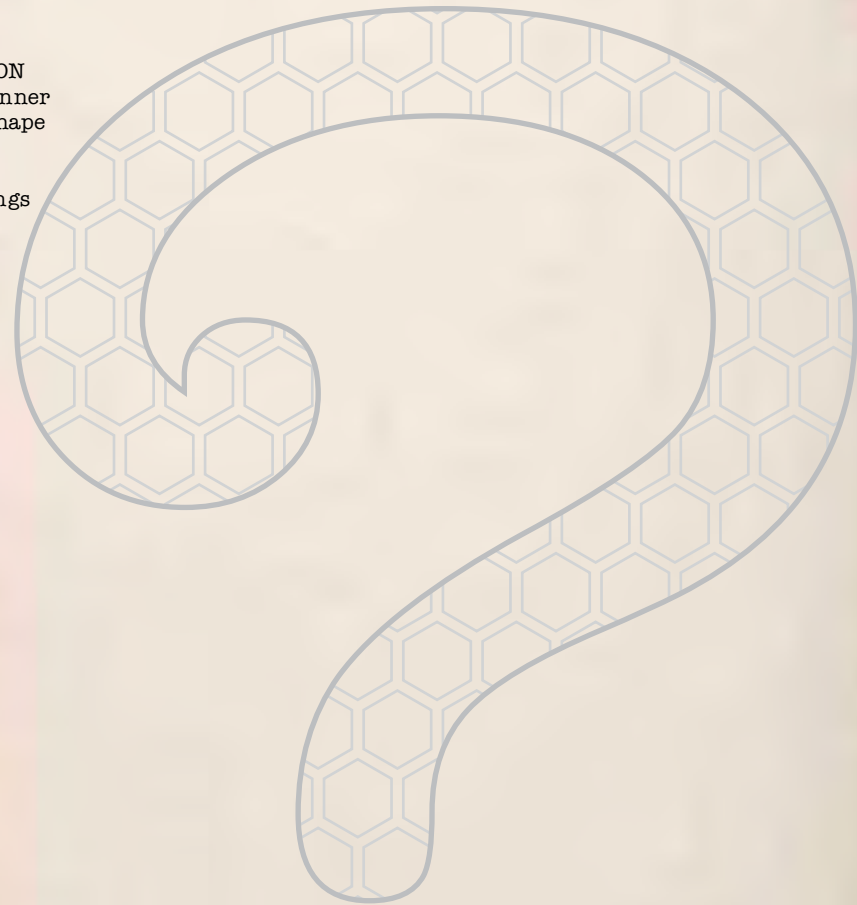
# NEWTON series / calculus

Collector: this data is incomplete.



NEWTON  
outer/inner  
body shape

unique  
markings



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# NEWTON series / refraction

Collector: this data is incomplete.



NEWTON  
outer/inner  
body shape

unique  
markings



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## GALILEO Identification steps

Collector: there are (5) steps one should use to identify and categorize a Galileo Nano specimen:

(3) Unique markings  
There are theories that some of the markings may have meaning...

(4) Color

(2) Inner body shape  
Usually allows a view of the Nano specimen's inner workings...also can be of varying colors.

(1) Outer body shape

(5) Glows in the dark

Example specimen: GALILEO>astronomy>black

GALILEO outer/inner body shape  
unique markings will vary with series

## GALILEO Nano swarm locations

DATA IS STILL BEING GATHERED.



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## GALILEO series /astronomy

Collector: there are (5) known varieties within this series.

GALILEO outer/inner body shape  
unique markings

GALILEO series Astronomy / green  
Rare sighting  
5,000 Lumens

GALILEO series Astronomy / white  
Less common sighting  
2,500 Lumens

GALILEO series Astronomy / red  
Uncommon sighting  
3,500 Lumens

GALILEO series Astronomy / blue  
Common sighting  
2,000 Lumens

GALILEO series Astronomy / black  
Very rare sighting  
10,000 Lumens

### Night Sightings

Date: August 5, 2010  
Time: 1:48 am  
Location: Laredo, Texas  
Nano colonies consist of a series of underground chambers, connected to each other by small tunnels. Food source is undetermined at this time though they seem to come out at night ONLY. (perhaps to forage???)



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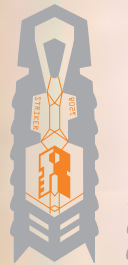
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## NEWTON Bridge Battle / mutations

Collector: there are (2) known mutations within this series.



NEWTON  
Bridge Battle  
mutations

unique  
markings



NEWTON mutation  
Bridge Battle / white  
Extremely Rare Sighting  
12,500 Lumens



NEWTON mutation  
Bridge Battle / black  
Extremely Rare Sighting  
12,500 Lumens



## NEWTON Raceway / mutations

Collector: there are (2) known mutations within this series.



NEWTON  
Raceway  
mutations

unique  
markings



NEWTON mutation  
Raceway / blue  
Extremely Rare Sighting  
12,500 Lumens



NEWTON mutation  
Raceway / red  
Extremely Rare Sighting  
12,500 Lumens



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## NEWTON Elevation / mutations

Collector: there are (2) known mutations within this series.



NEWTON  
Elevation  
mutations

unique  
markings

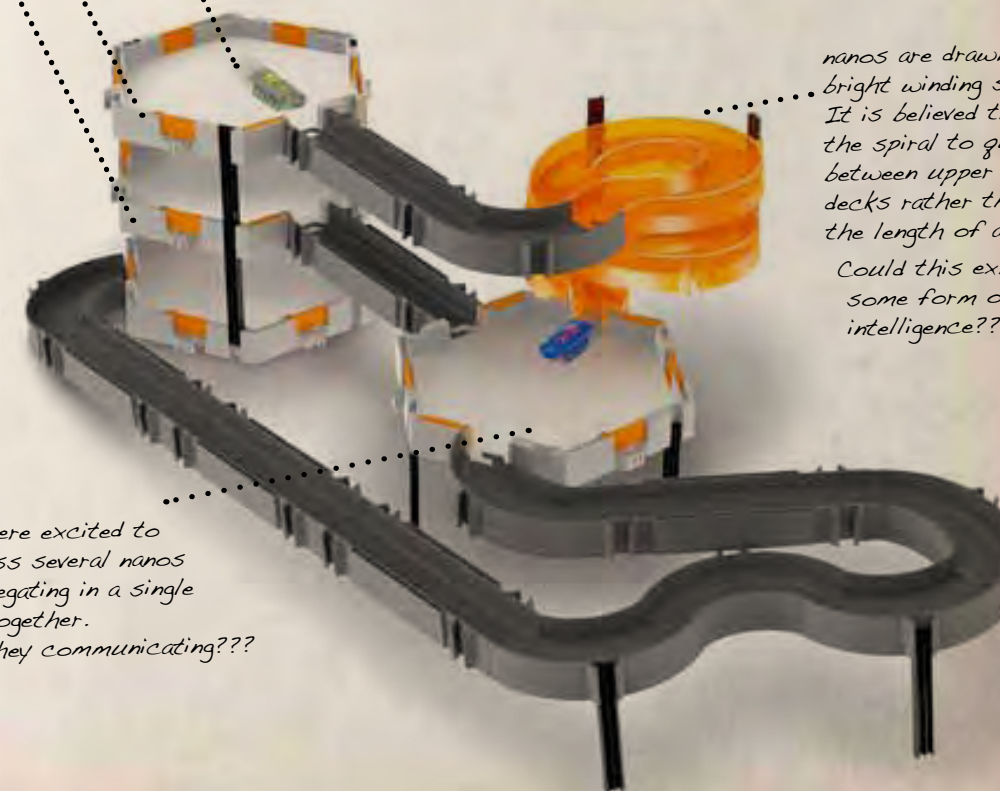


NEWTON mutation  
Elevation / blue  
Extremely Rare Sighting  
12,500 Lumens



NEWTON mutation  
Elevation / grey  
Extremely Rare Sighting  
12,500 Lumens

*Various levels allow optimal  
social interaction within the colony.*



*nanos are drawn to the  
bright winding spiral.  
It is believed they prefer  
the spiral to quickly travel  
between upper and lower  
decks rather than running  
the length of a track.  
Could this exhibit  
some form of  
intelligence??*

*We were excited to  
witness several nanos  
congregating in a single  
cell together.  
Are they communicating???*

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