

RESONATING BODIES

Trading Card Series 1



Osmia coerulescens

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Osmia lignaria

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Bombus affinis

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Bombus griseocollis

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MEET THE OSMIA SERIES 1 OF 2

Solitary

Vegetarian (all bees are vegetarian!)
Do not make honey

Commonly known as orchard bees or mason bees, *Osmia* mostly nest in pre-formed cavities such as holes in walls, vacated beetle bores and occasionally door locks. Nests have even been found in stethoscopes in field hospitals! They line the burrow with materials such as grass, mud, chewed leaves and gravel to make it bee-friendly.

Compare with:

6. *Osmia lignaria*

Resonating Bodies Trading Cards Series 1 #5

More info: <http://resonatingbodies.wordpress.com>

Osmia coerulescens

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MEET THE OSMIA SERIES 2 OF 2

Solitary

Vegetarian (all bees are vegetarian!)
Do not make honey

Since the genus *Osmia* overwinter as adults, they are common in spring and early summer throughout the greater Toronto area. There are dozens of species, (some notoriously difficult to identify!), and they can be found as far north as the Arctic Circle.

Compare with:

5. *Osmia coerulescens*

Resonating Bodies Trading Cards Series 1 #6

More info: <http://resonatingbodies.wordpress.com>

Osmia lignaria

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COPY-CAT SERIES 1 OF 3

Some bees look alike, but are less closely related than you might guess. Similarities in appearance can occur when organisms live in the same type of ecosystem or use the same resources or due to mimicry. We can determine relatedness by using DNA and mapping species onto a phylogenetic tree.

With some bumble bees the key to telling them apart is the hair patterns on the second segment of their abdomen!

Compare with:

8. *Bombus griseocollis*

9. *Bombus impatiens*

Compare barcodes on Barcode Bonus card.

Oh no! *Bombus affinis* is endangered in Ontario.

Resonating Bodies Trading Cards Series 1 #7

More info: <http://resonatingbodies.wordpress.com>

Bombus affinis

RESONATING BODIES

Trading Card Series 1

COPY-CAT SERIES 2 OF 3

Some bees look alike, but are less closely related than you might guess. Similarities in appearance can occur when organisms live in the same type of ecosystem or use the same resources or due to mimicry. We can determine relatedness by using DNA and mapping species onto a phylogenetic tree.

These three bumble bees (cards 7-9) are hard to tell apart (birds think so too!) They have evolved to look alike in order to avoid being eaten.

Compare with:

7. *Bombus affinis*

9. *Bombus impatiens*

Compare barcodes on Barcode Bonus card.

Resonating Bodies Trading Cards Series 1 #8

More info: <http://resonatingbodies.wordpress.com>

Bombus griseocollis