

## Firefly Videos for Kids

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Lewis Lab (Sara Lewis, Tufts University)

### **6 Fascinating Firefly Facts**

<https://vimeo.com/162600219>

2:54

Perfect short narrated summary of Sara Lewis's TED Talk for school children, with animated drawings.

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Clemson University – Clemson Firefly

### **Kidfirefly**

<https://www.youtube.com/watch?v=aXV0iRFXx1U>

3:46

April 2014

A redesign of the adult version on fireflies and the Clemson Firefly Count. It covers life cycle, flash patterns, the Clemson firefly count app, and is geared for kids who are interested in monitoring.

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SciShow Kids

### **Fireflies: Nature's Baffling Blinkers**

<https://www.youtube.com/watch?v=Y7R11qjB2r8>

4:22

A very fast but comprehensive look at fireflies – lifecycle, metamorphosis, bioluminescence, mating ritual and tips for observation & handling, geared for (approx) grades 6-8.

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## Firefly Science

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Sara Lewis, Tufts University

### **The Loves and Lies of Fireflies (TED Talk)**

[https://www.ted.com/talks/sara\\_lewis\\_the\\_loves\\_and\\_lies\\_of\\_fireflies](https://www.ted.com/talks/sara_lewis_the_loves_and_lies_of_fireflies)

13:51

March 2014

Biologist and evolutionary ecologist Sara Lewis, who has spent 20 years studying the magic and wonder of fireflies, tells us how and why the beetles produce their silent sparks, what happens when they mate.

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Lewis Lab (Barnum Museum, Tufts University)

### **Light Snacks: Predation on Fireflies**

<https://vimeo.com/28816083>

03:05

Who eats fireflies? What do fireflies eat? Watch this stunning close-up of the hunters and their prey. Follow the link to Lewis Lab's vimeo channel for more excellent short videos. [vimeo.com/user6136037](https://vimeo.com/user6136037)

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Science Friday

### **In a Flash: Firefly Communication**

<https://www.youtube.com/watch?v=RpywSqvXDqc>

Published on Jul 3, 2014

James Lloyd & Marc Branham of the University of Florida, Gainesville, discuss how fireflies communicate with a "language of light" that scientists still don't completely understand

Produced by Emily V. Driscoll      Narrated by Ira Flatow      [www.sciencefriday.com](http://www.sciencefriday.com)

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## Firefly Science (continued)

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Clemson University – Clemson Firefly

### Life Cycle (full segment)

<https://www.youtube.com/watch?v=hNWAOB1VD98>

11:42 (last segment 8:18 to the end, is about Clemson University's firefly monitoring project)

April 2014

Excellent educational piece includes a look at fireflies world wide, general entomological info, life cycle, flash patterns, and basic of environmental protection. Updated to include firefly app instructions.

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Adam South & Sara Lewis

### Courtship & Mating Behavior of Fireflies

<https://vimeo.com/40533607>

1:52

Grainy but useful videos of courtship in the wild, with subtitles instead of narration. Useful for high school level and up, as a precursor to field studies.

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Nilishar

<https://www.youtube.com/watch?v=laznZrtH-8c>

A fascinating, 34-second video shows larvae after feeding on snails, cleaning themselves with the retractable *pygopod*, a feathery, fingerlike tail organ, an action akin to a cat using its paw to preen.

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## Nature Photography for Firefly Enthusiasts

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Radim Schreiber

[FireflyExperience.org](http://FireflyExperience.org)

A professional photographer captures fireflies in various habitats with natural light, time-lapse, overlay.

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Iowa Public Television

### Fireflies in Iowa

[https://www.youtube.com/watch?v=myXJUbzZm\\_A](https://www.youtube.com/watch?v=myXJUbzZm_A)

6:22

August 2013

Profile of Radim Schreiber, noted firefly photographer: how he got started, what he has learned about photographing fireflies, and how he makes a living by filming the natural beauty of the great outdoors.

Also Aug 2015 [https://www.youtube.com/watch?v=k72jGJTC\\_3o](https://www.youtube.com/watch?v=k72jGJTC_3o)

A short film By Radim Schreiber, of firefly night scenes woven together with nature sounds and music.

Also Catching Firefly for the First Time [https://www.youtube.com/watch?v=HKR\\_QkQCStw](https://www.youtube.com/watch?v=HKR_QkQCStw)

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## Bioluminescence

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**David Attenborough's Life that Glows** (see full details at *Films & Documentaries – PAFF Resource List*)

<https://www.youtube.com/watch?v=PtFFneMrKug>

58:58

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TEDxYouth

**Dr. Thomas Baldwin: Bioluminescence**

<https://www.youtube.com/watch?v=pBUVp9gvPH0>

18:22 – but especially the first 5 minutes

High school+. Excellent lecture on bioluminescence, how & why it exists in nature. Although the lecture focuses on marine bioluminescence, Baldwin mentions fireflies, and delivers useful scientific content.

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***Photinus carolinus* – Synchronous Firefly**

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Steven Strogatz

**The Science of Synchrony (TED Talk)**

[https://www.ted.com/talks/steven\\_strogatz\\_on\\_sync?language=en](https://www.ted.com/talks/steven_strogatz_on_sync?language=en)

21:48

February 2004

An informative, fascinating and entertaining look at synchrony in nature, including synchronous fireflies.

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CBS Sunday Morning

**Tennessee Fireflies: A Summertime Light Show**

<https://www.youtube.com/watch?v=QCWkzQqO7Ro>

6:05

Published on Jul 13, 2014

There's one forest in Tennessee where fireflies put on a show unlike anywhere else. It's no wonder thousands of tourists camp out each year to witness the spectacle of nature's nightlife: a species of synchronous fireflies. Lee Cowan gives us a front row seat.

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***Photuris versicolor* – “Chinese Lanterns”**

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Radim Schreiber

**Fireflies by the River**

<https://www.youtube.com/watch?v=fcF6p0BuUNY>

0:53

Firefly Species: "Chinese Lanterns" *Photuris versicolor*-complex, shot in Tionesta, Pennsylvania  
June 22nd, 2013 11:45p.m.

Unedited, Moonlit more at [www.fireflyexperience.org](http://www.fireflyexperience.org)

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**The Firefly Time-Lapse**

Photography by Vincent Brady - Music by Brandon McCoy

[www.youtube.com/watch?v=y4pWAxnfL8w](http://www.youtube.com/watch?v=y4pWAxnfL8w) Also available as a National Geographic Short Film

Showcase: [www.youtube.com/watch?v=tsmzOCzDY6w](http://www.youtube.com/watch?v=tsmzOCzDY6w)

4:48

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**Forest Habitat, Ecology and Restoration**

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Mark Wyatt

**Bringing Back the Light**

<https://vimeo.com/131506757>

6:58

Although focused on western forests, this is an illuminating look at the differences between old growth and second growth forest in terms of wildlife habitat, and how effects of logging can be mitigated.

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Suzanne Simard

**The networked beauty of forests**

<https://www.youtube.com/watch?v=dRSPy3ZwpBk>

7:23

April 2014

How forests are organized like networks, why it matters and what it can teach us .

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Chesapeake Bay Program

**Bay 101: Healthy Forests**

<https://vimeo.com/17851496>

2:20

The elements and layers of a healthy forest: a good overview of an eastern forest, its watersheds, canopy layers, nutrient cycling, and habitat.

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## **Pennsylvania Forest Exploitation**

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WPSU / Penn State on Demand

**The Pennsylvania Forest – History with Jim Nelson**

<https://www.youtube.com/watch?v=p4ohbPMvaxE>

26:54

July 2009

A history of resource exploitation and how it led to forest management. Not the best video quality. The program unblinkingly documents the role of PA's forests in economic growth and, increasingly, tourism.