

Nova's Springtime Science Spectacular!

Wake up with the wild! Explore the hidden science behind the season of growth.

- **Why do many animals that have spent the winter in hibernation emerge from their dens as the days begin to lengthen?**
- **How does the increase in solar energy during spring trigger the process of germination in dormant seeds?**
- **In what ways do rising temperatures affect the metabolic rates of cold-blooded creatures, such as frogs and newts?**
- **Why is the return of migratory birds synchronised with the sudden abundance of insects and new plant growth?**
- **How do plants utilise increased daylight to accelerate the process of photosynthesis for rapid stem and leaf development?**

Did you know? Did you know? On the vernal equinox, which usually falls on the 20th or 21st of March, the Sun shines directly on the Earth's equator. This means that, all over the world, day and night are almost exactly equal in length—each lasting about 12 hours!

Key vocabulary: Photosynthesis · Germination · Vernal Equinox · Life cycle · Hibernation · Pollination