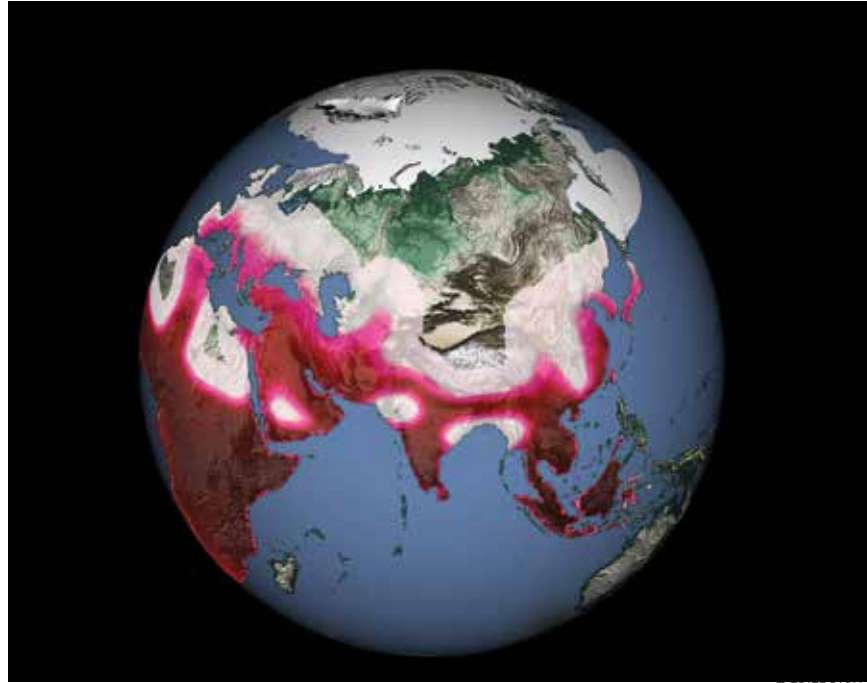


# ScienceNews

IN HIGH SCHOOLS | EDUCATOR GUIDE



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## One Africa exodus populated globe



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## About this Issue

The lead news story in this issue, "[One Africa exodus populated globe](#)," presents new genetic evidence for when and how ancient humans migrated out of Africa. Three recent studies agree that all non-Africans alive today stem from a major founding population. A fourth study, which looked at climate and sea level over the last 125,000 years, offers conflicting information. In reading this article, students can explore the ancient ancestry and shared roots of all people on the planet, regardless of race or ethnicity. There are also opportunities to discuss how scientists make sense of conflicting data and how technology can be applied to collect new evidence that tells us more about our past.

## Connections to Your Curriculum

Human history and ancestry  
Genetics and evolution  
Climate's role in human migration  
Evaluating multiple lines of evidence

## What's in this Guide?

- [Comprehension questions](#) based on the article "[One Africa exodus populated globe](#)," Page 6, which explores how scientists study multiple lines of evidence to understand ancient human migration
- [Discussion prompts](#) that encourage students to think about humans' shared past and how Earth and atmospheric processes have shaped the human story
- The [Telling a Story from Evidence activity](#), which asks students to use historical evidence to determine how a fictitious species may have migrated from Asia to South America

## Standards Alignment

Next Generation Science	Common Core
Biological Evolution: Unity and Diversity: <a href="#">HS-LS4-1</a>	ELA Standards: <a href="#">Reading Informational Text</a> (RI): 1, 2, 3, 4
Earth's Systems: <a href="#">HS-ESS2-7</a>	ELA Standards: <a href="#">Writing</a> (W): 2
	ELA Standards: <a href="#">Speaking and Listening</a> (SL): 1, 2, 3, 4
<b>Reinforcement for Middle School:</b>	ELA Standards: <a href="#">Reading for Literacy in History/Social Studies</a> (RH): 1, 2, 3
Biological Evolution: Unity and Diversity: <a href="#">MS-LS4-1</a> , <a href="#">MS-LS4-2</a>	ELA Standards: <a href="#">Reading for Literacy in Science and Technical Subjects</a> (RST): 1, 2, 4, 8
Earth's Systems: <a href="#">MS-ESS2-2</a> , <a href="#">MS-ESS2-3</a>	ELA Standards: <a href="#">Writing Literacy in History/Social Studies and Science and Technical Subjects</a> (WHST): 2, 9