

This Week at a Glance

Page	Title	Summary and Discussion Points	Content Area
5	Arts and humanities medals presented	Recipients of the National Medal of Arts and the National Humanities Medal were celebrated at the White House. What do these awards recognize? Who were some of this year's winners? What were their contributions?	Arts
6	Vending machines help recycle	Vending machines are being used in Ireland to encourage recycling. How do the vending machines work? Why are people motivated to use them for recycling?	Science
10	Lizards use bubbles to breathe	Water anoles use a special technique to breathe underwater. How does this adaptation come in handy? Can you name adaptations of other animals?	Science
15	Floor panels that provide power	Walkable solar panels could one day be installed in communities. How do they work? What types of data do they collect?	Engineering
20	Famous ballet on the big screen	<i>Swan Lake</i> will soon be shown in theaters and IMAX screens. What is the ballet known for? What is the plot of the story that is told through dance?	Arts



FEATURE OF THE WEEK JUNIOR: Book club (page 23)

Invite students to look at this week's feature and answer the questions.

1. What is a book review, and why do people write them?
2. What elements are part of a book review ?
3. Do you find book reviews helpful? Would you be more or less likely to read a book, based on a review?
4. Which featured book would you be likely to read, and why?
5. Read one of the featured books, and write your own review.

	DEBATE	CREATE
ARTICLE	"Should the space station be saved?" (page 8)	"Diwali celebrations begin" (page 3)
VOCABULARY	orbit, operation, scientific base, space debris	celebration, Hindu, Rangoli, Diwali
ACTIVITY	Use a free mind-mapping platform, like MindMup , to create an online space for discussion. Begin by posting the statement, "The space station should be saved," and include links to resources students can use for evidence. Challenge students to post three responses on the platform, with at least one in supporting and one opposing the statement. Then, have them respond to two of their classmates' posts. Once everyone has posted, ask students to review the full discussion and summarize their conclusions, citing evidence from the online conversation.	Rangoli patterns are colorful designs placed to welcome the Hindu Goddess Lakshmi, the goddess of wealth, into the home during the celebration of Diwali. This is thought to bring good luck to the house and family. Guide students to create their own Rangoli art design using salt, food coloring, and glue. Place salt into different plastic bags and drop different food coloring into each bag. Shake until it covers the salt and allow time to dry. Print out and distribute a Rangoli design template to students. Tell students to apply a thin layer of glue onto their design and then sprinkle a salt color into the glue areas. Repeat with different colors and areas until the entire design is filled in.
EXTEND	Go on a virtual tour of the ISS.	Learn more about the celebration of Diwali.

	ACT	CONNECT
ARTICLE	"A powerful place in our financial history" (pages 12-13)	"Dino fossils found in Hong Kong" (page 3)
VOCABULARY	stocks, shares, buying, selling	imprint, mold, cast, fossil
ACTIVITY	Have students engage in a buy and sell activity inspired by Wall Street. Tell students that Wall Street is a place where people buy and sell pieces of companies, called "stocks." Have each student start with \$20. Set the price of some fake companies and available shares. Students can choose which "stocks" they want to buy with their money. After a few minutes of buying, they should switch roles so they can sell their stocks to classmates at a different price. Ask them to add up their money to see how much they have after selling. Ask students if they made a profit (have more money than they started with). Discuss how buying and selling is part of the math people do on Wall Street every day.	Dinosaurs have been found in mainland China but have now been discovered in Hong Kong for the first time. Invite students to make their own dinosaur fossils inspired by this exciting discovery. Before students begin, mix water with plaster of paris powder. Direct students to form a large ball of clay into a ½ inch circle. Guide them to press a toy dinosaur into the clay and remove the toy. It will leave an imprint of the object. Tell them to use a plastic knife to cut around the shape and use that clay to build a short wall around the shape. Invite students to bring up their mold and help them pour plaster into the mold to fill it. Allow 2 hours to set and remove the clay. The fossil form they made is called a cast. Students can brush cold coffee to make it look more like a fossil from sediment.
EXTEND	Learn more about stocks.	Watch how dinosaur fossils are formed.

* Note: On your computer or mobile device, click or tap blue links to access linked content.