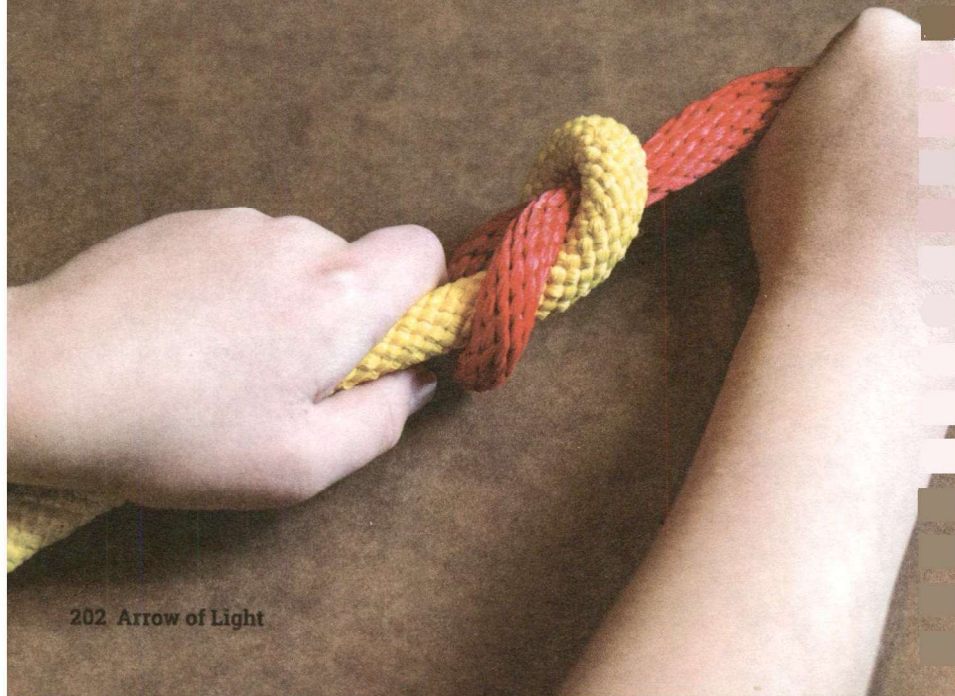
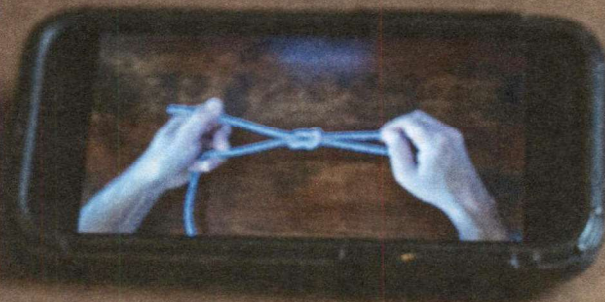


HIGH TECH OUTDOORS

ELECTIVE ADVENTURE



202 Arrow of Light

SNAPSHOT OF ADVENTURE



Long ago, tents were made from cotton canvas. They were heavy and were not waterproof. If you put them away wet, they could mold and rot. Today, tents are made using synthetic (human-made) materials that are waterproof, lightweight, breathable, and resistant to mold and rot. Not only has technology improved tents, but it's also given us digital devices that help us navigate, learn, and stay safe.

REQUIREMENTS

Approved by _____

1. With an adult, use a weather app or website to see the forecast for an outdoor activity and discuss any preparation needed to accommodate the weather. _____
2. With an adult, find a knot-tying app. Select one knot to learn, and tie it using the app. _____
3. Discuss how technology has improved camping gear. _____
4. Think of a way technology can improve camping gear used on one of your outdoor activities. _____



- Elective Adventure
- Scan for this Adventure page

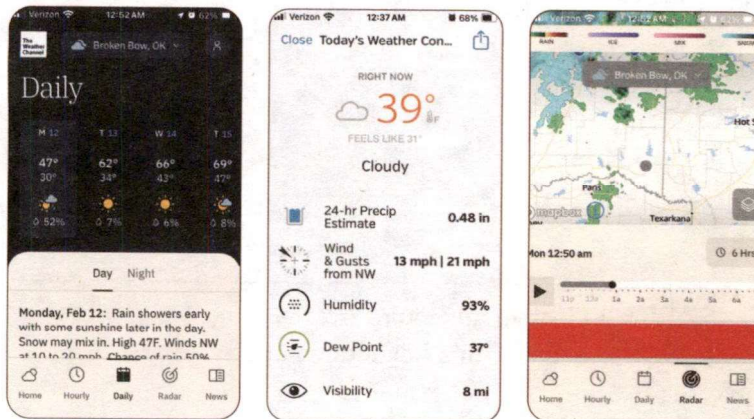
REQUIREMENT 1

With an adult, use a weather app or website to see the forecast for an outdoor activity and discuss any preparation needed to accommodate the weather.

Checking weather reports is part of planning a Scout outing. When you know what the weather will be like, you have a better idea of what clothing to carry with you and what to expect when you reach the trail. Studying weather also can be a terrific way to understand the bigger picture of nature.

Weather reports on mobile apps often include maps showing the movement of areas of low pressure and high pressure in the atmosphere. Regions experiencing high atmospheric pressure usually have stable weather. Low pressure systems pull in winds, and if those winds are carrying moisture, the moisture will condense into clouds and storms can occur.

If there is a prediction for severe weather for your outdoor adventure, it's best to cancel the adventure or reschedule it for a time when the severe weather has passed.

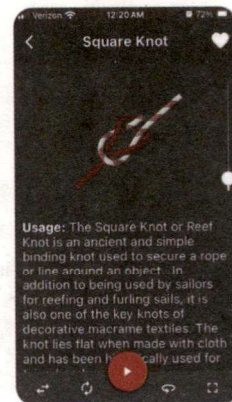


REQUIREMENT 2

With an adult, find a knot-tying app.
Select one knot to learn, and tie it using the app.

Some technology can teach us how to do things such as knot tying and what type of knot should be used in a certain situation. A knot-tying app can show the steps for tying a knot using visual effects and videos that might make it easier to learn than just reading about how to tie the knot.

When learning how to tie knots, it's often helpful to use two different colored ropes.



Animated
Knot 3D



Rope
Knots



Knots:
Knots Guide



Useful Knots
3D



Knots 3D



Animated
Knots
by Grog



Knot Guide
(Lite)

REQUIREMENT 3

Discuss how technology has improved camping gear.

In the snapshot of the Adventure, you learned how technology, in the development of synthetic materials, has made tents more durable. Synthetic materials have also improved the clothes we wear with fabrics that dry quickly, keep us warm, and even have SPF to block out harmful UV rays.

What other improvements to camping gear can you identify, and what technology was used to make those improvements possible?





1920s

Old canvas pup tent

1970s

A frame tent with
metal poles



1990s

Dome tent with
fiberglass poles

TODAY

Modern two-person
backpacking tent



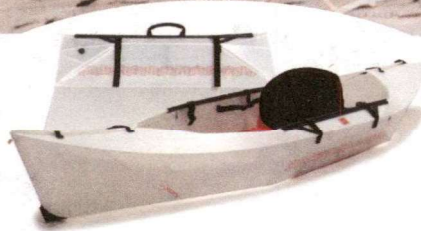
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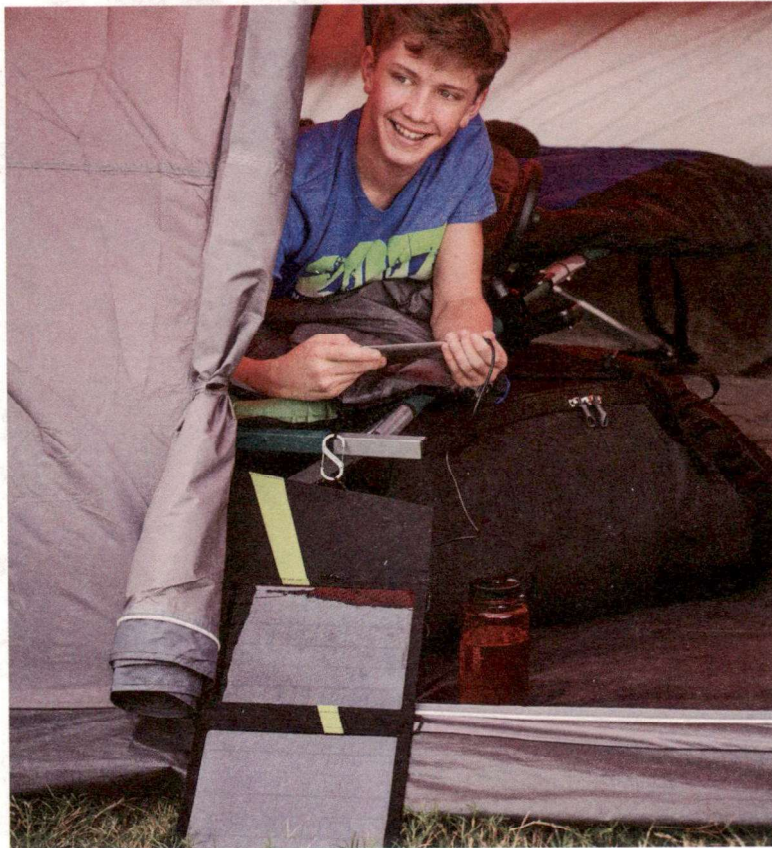
REQUIREMENT 4

Think of a way technology can improve camping gear used on one of your outdoor activities.

When thinking of a way technology can improve camping gear, consider these questions:

- ▶ Is there a piece of technology you use in other areas of your life that could be used for camping gear?
- ▶ Is there camping gear that you find uncomfortable or hard to use?
- ▶ If you could improve a piece of camping gear with technology that may not exist, what would that be?





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