

Ocean Rescue Radio

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The birthday team has arrived, but one important part of the celebration is missing. Send a clear birthday signal to a lost paper boat. Collect five named badge digits, then use the final sheet to finish your mission. All the clues you need are printed here. Work together and ask for a hint whenever you want.

1. Print one player pack and two prop sheets per team. Keep all host and hint pages with an adult.
2. Put clue pages 1-5 at the table. Place the final sheet face down until the five badges are collected.
3. Share pencils and choose a reader, recorder and path finder. Swap jobs after each clue.

Players: 4; teams: 1. Print one player and prop set per team. Invitations and certificates: 4 each.

No locks, purchases or cutting required. Keep all clues at a low table. Scissors are optional and for adults only.

Ocean Rescue Radio

HOST ONLY - solution guide

1. Chart: 8

Move exactly one orthogonal square per arrow; copy only the value at the endpoint.

2. Radio: 5

Replace every symbol with its letter, including repeated symbols. Convert the decoded word using the printed table.

3. Boat: 6

Only one card has craters=yes and tail=no.

4. Flag: 2

The matching card has both circle and dots; matching just one property is insufficient.

5. Waves: 4

Align each position in strip A with the same position in strip B. Count every unequal pair once.

6. Final: 54682

grid-placement: Radio > Waves > Boat > Chart > Flag. Keep leading zeroes.

Ocean Rescue Radio

HOST ONLY - timeline and paper check

3 minutes: Read the opening story and explain the badges.

5 minutes: Solve Chart; offer one hint at a time.

5 minutes: Solve Radio; offer one hint at a time.

5 minutes: Solve Boat; offer one hint at a time.

5 minutes: Solve Flag; offer one hint at a time.

5 minutes: Solve Waves; offer one hint at a time.

5 minutes: Combine the badges on the final sheet.

2 minutes: Read the ending and award certificates.

Paper completion: check each badge against the solution guide, then check the final code. No device is required.

Mission complete! Ocean Rescue Radio is ready for its birthday celebration. Thank your team for sharing ideas and helping one another.

Duration and ages are estimates. Adjust pace and offer help for your group.

Ocean Rescue Radio

Player clue 1: Chart | Team 1

Welcome, birthday explorers! Send a clear birthday signal to a lost paper boat. Find five badge numbers. Use them on the last page. You can help each other and ask me for hints.

Start at S. Follow each arrow by one square in the listed order. Record the number on your final square.

S: 5	6	7	8
9	0	1	2
3	4	5	6

down > right > right > up > right

One arrow = one square. S = start.

Chart badge: _____

Ocean Rescue Radio

Player clue 2: Radio | Team 1

Use the symbol key to decode the message. Use the word-to-number table to turn the word into a digit.

Start after badges: Chart.



triangle = F



square = I



circle = V



star = E



triangle



square



circle



star

FIVE = 5

Radio badge: _____

Ocean Rescue Radio

Player clue 3: Boat | Team 1

Choose the card that matches BOTH required properties. Copy its digit.

Start after badges: Chart.

Rule: craters = yes

Rule: tail = no

Boat A - digit 6

craters: yes / tail: no

Boat B - digit 3

craters: no / tail: no

Boat C - digit 5

craters: yes / tail: yes

Boat badge: _____

Ocean Rescue Radio

Player clue 4: Flag | Team 1

Find the card with the same shape AND marking as the target. Copy its digit.

Start after badges: Chart.

TARGET: circle, dots



circle / dots - digit 2



triangle / dots - digit 4



circle / plain - digit 6

Flag badge: _____

Ocean Rescue Radio

Player clue 5: Waves | Team 1

Compare the two strips position by position. How many positions have different shapes? Count positions, not shapes.

Compare matching numbered positions.

A

















1

2

3

4

5

6

7

8

B

















1

2

3

4

5

6

7

8

Do not count title, labels, or boxes as differences.

Waves badge: _____

Ocean Rescue Radio

Player clue 6: Final | Team 1

Place each badge digit in its named slot. Follow the printed reading order and join the five digits.

A2: Chart ?	B2: Radio ?	C2: Boat ?
D2: Flag ?	E2: Waves ?	

READ SLOTS IN THIS ORDER:

B2 > E2 > C2 > A2 > D2

Final badge: _____

Need help? Ask your host for one hint at a time.

Ocean Rescue Radio

Hint cards - level 1 (spoilers; keep with host)

1. Chart

Start at the top-left S square.

2. Radio

The same symbol always means the same letter.

3. Boat

A card must satisfy both rules.

4. Flag

Compare two properties.

5. Waves

Compare the first square in A with the first square in B.

6. Final

Keep the five badge results visible. Every number has a badge name.

Ocean Rescue Radio

Hint cards - level 2 (spoilers; keep with host)

1. Chart

One arrow means one square, even if the next square looks interesting.

2. Radio

Write one letter under every symbol.

3. Boat

Cross out any card that fails one condition.

4. Flag

First find the same shape, then compare the marking.

5. Waves

Mark a pair only if its shapes differ.

6. Final

Use the order, slots, route or matching columns printed on this page.

Ocean Rescue Radio

Hint cards - level 3 (spoilers; keep with host)

1. Chart

Trace each move with a pencil and mark the final square.

2. Radio

Read the letters from left to right and use the printed number table.

3. Boat

Check the remaining card against both properties before copying its digit.

4. Flag

Reject cards that agree on only one property.

5. Waves

Count the marks, not the total number of printed shapes.

6. Final

Start with the Radio badge, then follow the printed rule.

Ocean Rescue Radio

Team 1 badge record (no cutting needed)

Write a digit beside each badge as you solve its clue.

Chart: _____

Radio: _____

Boat: _____

Flag: _____

Waves: _____

Reader: reads the clue. Recorder: writes the digit. Path finder: traces routes. Swap roles every clue.

Ocean Rescue Radio

Team 1 paper unlock card

Our five badges are ready. We used the final sheet to find this code:

Host: compare this with your solution guide. When it matches, read the ending and celebrate.

No physical lock or prize is required. You may draw a celebration star on this card.

Ocean Rescue Radio

You're invited to a birthday mystery!

Join Birthday Explorer for Ocean Rescue Radio.

Send a clear birthday signal to a lost paper boat.

Date: _____

Time: _____

Place: _____

Bring your curiosity. Paper and pencils are provided. Work together, share ideas and solve six clues.

Designed for ages 7-9. Estimated 35-45 minutes.

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Ocean Rescue Radio

Birthday Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Ocean Rescue Radio with curiosity,
teamwork and kindness.

Mission complete! Ocean Rescue Radio is ready for its birthday
celebration. Thank your team for sharing ideas and helping one
another.

Date: _____

Host signature: _____

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