

Satellite Signal Desk

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The satellite desk received a coded message, a damaged copy and three operator records. Use the printed evidence to choose the valid call-sign card. Collect five named badge digits and use the final sheet. Every clue is on the table; ask the host for one hint at a time.

1. Print one player pack and two record sheets per team. Keep the host answers and all three hint levels with the adult.
2. Keep every clue as a full sheet at one table. Put the final sheet face down until all five results are recorded. Nothing needs cutting, folding or hiding.
3. Give each child a pencil. Choose a reader, recorder and checker, and swap jobs after each clue. Use one team for 2-4 children or two teams for 5-6.

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

Paper and pencils are enough. Keep whole sheets at one table; nothing needs cutting, folding or hiding.

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HOST ONLY - solution guide

1. Message: 4

The decoded word is BEAM; its row gives 4.

2. Copy: 3

Different positions are 1, 4, 6. There are 3 differences.

3. Operator: 7

Nova has Panel; Orion has Dish; Lyra has Relay. Lyra's item gives 7.

4. Battery: 4

Remove 4 from 12; share 8 among 2 parcels to get 4. Check $2 \times 4 + 3 = 11$.

5. Channel: 7

B3, C1, D2, A1 reads BEAM. The conversion table gives 7.

6. Final: 02107

Only Record A matches all five columns. Copy its printed code 02107.

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HOST ONLY - timeline and paper check

3 minutes: Read the story, show the badge record and choose roles.

4 minutes: Solve Message. Offer one hint level at a time if wanted.

3 minutes: Solve Copy. Offer one hint level at a time if wanted.

6 minutes: Solve Operator. Offer one hint level at a time if wanted.

5 minutes: Solve Battery. Offer one hint level at a time if wanted.

5 minutes: Solve Channel. Offer one hint level at a time if wanted.

5 minutes: Use the five results on the final sheet.

2 minutes: Read the ending and thank each teammate.

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

The satellite call sign is recovered. The paper control room has a clear signal.
Thank your team for checking the evidence together. Confirmed: Record A, code 02107.

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