Caesar / Crack the signal

Six puzzles. One point each. Solve in any order. Keep all three pages together.

Team: _____ Score (host): ___ / 6

You have 12 minutes. Write the full messages; stop at the host's time call. Use the keys, no phones or web searches. Ties share the win. Messages are answers, not venue instructions.

CAESAR KEY

Move backward by the stated shift. Wrap A back to Z.
Practice (shift 1): DBU decodes to CAT.

```
A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
```

01 / Signal lab

Each letter was shifted 3 places forward to encode it. Move each letter 3 places back to decode. Keep the word spaces.

```
EXLOG D VLJQDO
```

DECODED MESSAGE

Working

02 / Stage-map check

Each letter was shifted 7 places forward to encode it. Move each letter 7 places back to decode. Wrap around from A to Z when needed.

```
JOLJR AOL ZAHNL THW
```

DECODED MESSAGE

Working

Next round: festforge.brainer.one/try/decode (solo, no signup)

Morse / Crack the signal

Six puzzles. One point each. Solve in any order. Keep all three pages together.

Team: _____ Score (host): ___ / 6

You have 12 minutes. Write the full messages; stop at the host's time call. Use the keys, no phones or web searches. Ties share the win. Messages are answers, not venue instructions.

MORSE KEY

Spaces divide letters; / divides words. Read each group as one letter.
Practice: ... --- ... decodes to SOS.

A .-	H	O ---	V ...-
B -...	I ..	P .--.	W .--
C -.-.	J .---	Q --.-	X -..-
D -..	K -.-	R .-.	Y -.--
E .	L .-..	S ...	Z --..
F ..-.	M --	T -	
G --.	N -.	U ..-	

03 / Lighting desk

Use the International Morse key. A space separates letters; a slash (/) separates words. Decode every group.

```
-.-. --- ..- -. - / - .... . / .-.. .. --. .... - ...
```

DECODED MESSAGE

Working

04 / Crew call

Use the International Morse key. A space separates letters; a slash (/) separates words. Decode every group.

```
-... .-. .. -. --. / - .... . / -.-. .-. . .--
```

DECODED MESSAGE

Working

Next round: festforge.brainer.one/try/decode (solo, no signup)

Binary / Crack the signal

Six puzzles. One point each. Solve in any order. Keep all three pages together.

Team: _____ Score (host): ___ / 6

You have 12 minutes. Write the full messages; stop at the host's time call. Use the keys, no phones or web searches. Ties share the win. Messages are answers, not venue instructions.

BINARY KEY

Add the place values under the 1 bits, then match the ASCII number.
Bits, left to right: 128, 64, 32, 16, 8, 4, 2, 1.
Practice: 01000001 = 64 + 1 = 65 = A.

A	65	H	72	O	79	V	86
B	66	I	73	P	80	W	87
C	67	J	74	Q	81	X	88
D	68	K	75	R	82	Y	89
E	69	L	76	S	83	Z	90
F	70	M	77	T	84		
G	71	N	78	U	85		

05 / Sound check

Each 8-bit group is one uppercase ASCII letter. The leftmost bit is worth 128. Spaces separate bytes; a slash (/) separates words.

```
01010100 01000101 01010011 01010100 /
01010100 01001000 01000101 /
01001101 01001001 01000011
```

DECODED MESSAGE

06 / Contest cue

Each 8-bit group is one uppercase ASCII letter. Use the place values and A-Z key below. Spaces separate bytes; a slash (/) separates words.

```
01010010 01000101 01000001 01000100 01011001 /
01010100 01001111 /
01000100 01000101 01000011 01001111 01000100 01000101
```

DECODED MESSAGE

Next round: festforge.brainer.one/try/decode (solo, no signup)