



Genetic Code

- Aim** To transmit a genetic code from one pair of team members to the other using an audio signal.
- Apparatus** 1 signal generator plus loudspeaker (per team)
- Method** After 10 minutes to discuss tactics, each team splits into two pairs (A and B) sited at different locations. Pair A is given the genetic code (an explanation of the elements of the code is given on a separate sheet). Pair A must then communicate this information to pair B using an audio signal generator connected to a loudspeaker that all the teams can hear.
- Conditions** Once the team pairs have separated into locations A and B, they cannot regroup to discuss tactics.
- Time limit** 10 minutes preparation plus 15 minutes communication.
- Ranking** The ranking order will be determined by the time taken to correctly identify the genetic code, with a 5 minute penalty for each incorrect identification.

		1	2	3	4
Team		Result			

Do not write below line

Rank

A genetic code comprises a sequence of one of four 'bases'

A *or* C *or* G *or* T

The four-base sequence that you need to
transmit will look like, for example,

A C C T

or

G T A T

or

C G T A