



Morse code



Cipher



Algorithm



Semaphore



Transmit



Encrypt



We are
cryptographers



Encode



Problem
Solving

ABC

Text

$$3 \times 2 + 5 =$$

Calculations



Deciphering



Communication





Cryptography



Message

Computing - We are cryptographers: Y5 Topic Vocabulary Mat

Subject Specific Vocabulary		Relevant Pictures		Exciting Books/Websites
Morse code	An alphabet or code in which letters are represented by combinations of long and short light or sound signals.			<ul style="list-style-type: none">• Encryption for Kids! (purdue.edu)• Cryptography Facts for Kids KidzSearch.com• cryptography for kids - Bing video
Cipher	A secret or disguised way of writing a code.			
Algorithm	A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.			
Cryptanalysis	The art or process of deciphering coded messages without being told the key.			
Cryptography	The art of writing or solving codes.			
Encode	To convert a message into coded form.	Key Knowledge		Other information
Message	A written or recorded communication sent to or left for a recipient who cannot be contacted directly.	<ul style="list-style-type: none">• To transmit messages using semaphore.• To use and understand Morse code.• To use the Caesar cipher to create and crack codes.• To develop knowledge and use of ciphers to include substitution ciphers to decode a text.• Discover what makes a password effective and try to create passwords that are difficult even for computers to guess.		<p>Cryptography is the study of the hidden or secret transmission of messages and of how such encrypted messages can be decrypted by others. In traditional cryptography, encryption relies on an agreed system and a secret key known only to the transmitter and the recipient of the message.</p> 
Semaphore	A system of sending messages by holding the arms or two flags or poles in certain positions according to an alphabetic code.			
Decrypt	To decode a message to find its meaning.			
Encrypt	To convert (information or data) into a code so it cannot be read.			

