



Reading

- Automatically reads the IPC 5 high frequency words
- Reads for a range of purposes and retells stories when asked with detail
- Describes main and supporting ideas, and story elements in detail
- Compares and contrasts stories and accounts of the same event
- Asks text-related questions to show understanding
- Identifies logical connections (cause-effect, sequence of events, compare and contrast)

Writing

Composition

- Develops topics with facts, definitions, detailed information, quotations and examples.
- Plans writing following a template outline
- Uses appropriate connectors to link different ideas.

Grammar

- Recognizes subject and verb agreement in different tenses
- Uses a variety of time connectives
- Uses commas and periods effectively
- Identifies different shades of meanings in both synonyms and antonyms

Spelling

- Spells the IPC 5 high frequency words correctly
- Correctly spells common homophones
- Confidently spells Prefixes and Suffixes and identifies root words

Music

Creating Music

- Performs harmonically in an ensemble
- Manipulates musical elements to communicate a given idea

Musical literacy

- Offers appropriate response to musical stimuli
- Evaluates the effectiveness of performances

Art

Creating

- Shows improvement when learning a new technique
- Selects materials and techniques to communicate an idea and explains why

Viewing

- Knows about line, value, color and the difference between shape and form

Physical Education

Movement and Athletics

- Demonstrates recognized gymnastics movements and balances in a sequence

Health Related Fitness

- Understands the importance of warming up before physical activity

Games and Challenges

- Applies a range of skills in small game situations
- Able to fulfill given roles within small group and team games

Mathematics

Numbers and Algebra

- Knows time tables to 12x12
- Secures place value to at least 10,000,000
- Investigates number sequences involving multiples of 3, 4, 6, 7, 8 and 9.
- Uses mental strategies for multiplication and division when there is no remainder and recalls multiplication and division facts up to 10x10
- Solve word problems and problems involving purchases
- Find unknown quantities in number sentences involving addition and subtraction

Geometry and Measurement

- Uses scaled instruments to measure and compare lengths, masses, capacities and temperatures
- Converts between units of time
- Compares the areas of regular and irregular shapes
- Creates symmetrical patterns, pictures and shapes
- Compares and classifies angles

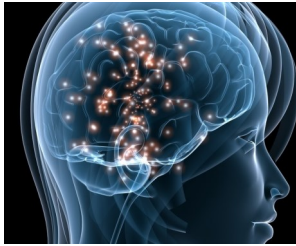
Fractions and Data

- Investigates equivalent fractions and locates fractions on a number line
- Makes connections between fractions and decimal notations.
- Select and trial methods for data collection
- Construct different data displays and evaluates their effectiveness
- Describes possible everyday events and order their chances of occurring



IPC 5 Units of Work Overview

Brainwave: The Brain



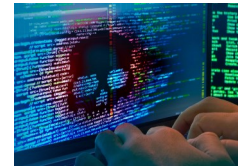
Do you remember learning about the brain? We are going to find out more about how our brain and memory work to help us learn. This unit is all about metacognition! We will learn what our brain needs to be ready to learn so we can become better learners!

Personal
Goal
Focus

Adaptable

Empathetic

Learning Effectively Online and Coding



Within this unit we will be gaining a deeper understanding of what the internet is, how it works and how we should use it both responsibly and effectively. We will deepen our understanding of how to be safe online and develop our awareness of what is real and what is fake on the internet. Students will learn to make fun, interactive projects that reinforce what they'll learn about online safety. Following these lessons, students will engage in more complex coding. Students will learn about nested loops, functions, and conditionals.

Personal
Goal
Focus

Ethical

Thinker

My School, My Castle



When you think of castles, do you picture soaring buildings with beautiful towers? Do you recall stories about kings and queens, knights and ladies, and perhaps dragons and other magical creatures?

Within this unit we will learn facts about castle communities in Europe during the middle ages. We will compare these communities with modern school communities and work in groups to present these similarities and differences in a chosen format.

Personal
Goal
Focus

Communicator

Collaborator

Invisible Forces



In this unit, we will explore the forces all around us. We will investigate the effects of balanced and unbalanced forces, the pushes and pulls of bridge structures, and the effects of friction on the motion of objects. We will also explore the power of magnetic forces and investigate firsthand how these forces can be used to help us in our everyday lives.

Personal
Goal
Focus

Thinker

Resilient



IPC 5 Units of Work Overview

Looks Greek to Me



The culture of a civilization is expressed through its lifestyle and beliefs. Ancient Greece was one of the world's greatest cultures, whose vast achievements and cultural expressions are admired to this day.

We will learn about this civilization art, architecture, gods and goddesses, language and myths. We will study their beliefs, traditions and legacy. What did this civilization invent and discover that we still use in our modern society?

Personal
Goal
Focus

Communicator

Empathetic

Temples, Tombs, and Treasures



We will be learning about who the first Ancient civilizations were, where they settled and why they chose that particular place. We will explore what their family life was like, how they communicated their life, their religion, traditions and beliefs, who ruled, their tombs- how they were built, why they were built and the process of making a mummy! What was it like to live in Ancient Egypt or Ancient Sumer?

Personal
Goal
Focus

Respectful

Ethical

Island Life



In this unit, we will be learning about the islands of the world, how they are formed, what life is like on some islands, as well as some of the threats to people's lives and their unique cultures. We will explore how islands range hugely in shape, size, location and climate but that they are all surrounded by water. We will need to be geographers and cartographers as well as artists and musicians. As almost one in ten people on earth live on an island, let's explore what some islands are like across the globe! Can you imagine what life would be like to live on a small island?

Personal
Goal
Focus

Adaptable

Resilient

Circle of Life and Human Machine



In the first part of the unit, we will explore animal life cycles by developing a model to compare the life stories of different animals. We will also observe and predict how changes to the pollinators affect plant reproduction, which affects the life cycles of those plants.

In the second part, we will discover the mechanism by which muscles control bones to move our bodies. We will construct a model of a human finger and observe how pulling on a string (a model for tendons) causes it to bend at the joints.

Personal
Goal
Focus

Resilient

Thinker



IPC 5 Units of Work Overview

Rainwater Analysis



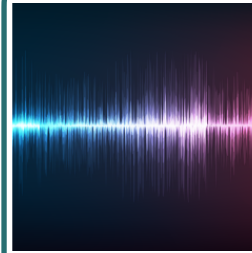
We will use the engineering design process (EDP) to plan, construct, and test their own systems for collecting and reusing rainwater. Using our own school building and grounds as a design lab, we will learn about measuring rainfall and volume calculations. We will also learn about Earth's four spheres and make observations about how the spheres interact. . Based on what we have learned, we will create materials for a public service advertising campaign to disseminate their message

Personal
Goal
Focus

Resilient

Thinker

Energizing Everything



In this unit, we will explore energy! We will investigate how energy is stored, how it can make objects move, and how collisions transfer energy between objects. We will also construct devices that convert energy from one form into another, such as heat into motion and electricity into light.

Where does energy come from? How is our body similar to a car? What makes roller coasters go so fast? How can you produce a chain reaction? Could you know down a building using dominoes?

Personal
Goal
Focus

Resilient

Thinker



Wellbeing Overview IPC 5

Sea Creature	Themes	Overview
Hermit Crab	Coping with changes	Learn about how change can be scary but also exciting and how we can cope with those changes.
Salmon	Finding your inner drive	Learn about the importance of showing determination when we face challenges.
Sea Otter	Dealing with loneliness	Learn about how isolation and loneliness can make us, and others feel.
Zebra Seahorse	Keeping calm	Learn about what we can do during difficulties to stay calm and to remember the storm will pass.
Mimic Octopus	Being adaptable	Learn about the importance of attitude and problem solving, so that we can always find a way.
Pufferfish	Thinking before you react	Learn about how to spot our triggers to stop ourselves reacting and what we can do when we explode.



Wellbeing Overview IPC 5

Sea Creature	Themes	Overview
Dolphin	Tackling bullying	Learn about how bullying can affect us and those around us and to not be a bystander.
Lobster (EY/KSI) Jellyfish (KS2)	Growing up	Learn about the physical changes we experience as we grow up and understand how they affect us.
Humpback Whale	Understanding grief	Learn about grief, why we experience grief and understand how it affects us all differently.
Tube Anemone	Stepping out of your comfort zone	Learn about how a comfort zone is not always a good thing and it's important to step outside of that zone.
Sea Turtle (EY/KSI) Shark (KS2)	Working as a team	Learn about the importance of teamwork and the positive harmony that it brings when we work together to achieve something.
Coral	Learning and growing	Learn about how building our skills can make us feel and the importance of self-improvement for wellbeing.





IPC 5 High Frequency Words

301. body	321. usually	341. hours	361. five	381. cold
302. music	322. didn't	342. black	362. step	382. cried
303. color	323. friends	343. products	363. morning	383. plan
304. stand	324. easy	344. happened	364. passed	384. notice
305. sun	325. heard	345. whole	365. vowel	385. south
306. questions	326. order	346. measure	366. true	386. sing
307. fish	327. red	347. remember	367. hundred	387. war
308. area	328. door	348. early	368. against	388. ground
309. mark	329. sure	349. waves	369. pattern	389. fall
310. dog	330. become	350. reached	370. numeral	390. king
311. horse	331. top	351. listen	371. table	391. town
312. birds	332. ship	352. wind	372. north	392. I'll
313. problem	333. across	353. rock	373. slowly	393. unit
314. complete	334. today	354. space	374. money	394. figure
315. room	335. during	355. covered	375. map	395. certain
316. knew	336. short	356. fast	376. busy	396. field
317. since	337. better	357. several	377. pulled	397. travel
318. ever	338. best	358. hold	378. draw	398. wood
319. piece	339. however	359. himself	379. voice	399. fire
320. told	340. low	360. toward	380. seen	400. upon

Shown in order of most frequently occurring in English language literature worldwide