



## Reading

- Automatically reads the IPC 4 High Frequency words
- Reads for a range of purposes and retells stories when asked with detail
- Identifies main themes and story elements
- Makes inferences and justifies predictions
- Retrieves and records information from non-fiction books
- Recognizes a variety of forms of genres
- Identifies and summarizes ideas
- Discusses words and phrases that capture the imagination

## Writing

### Composition

- Writes for different purposes and readers and readers using appropriate structures
- Uses vocabulary that captures the readers' attention

### 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 IPC4 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

### Number and Calculations

- Knows time tables from 0 to 10
- Demonstrates the connection between addition and subtraction
- Secures place value to at least 10,000
- Continues addition & subtraction patterns
- Uses mental and written multiplication strategies and recalls multiplication and division facts of 2, 5 and 10
- Round numbers to nearest 10, 100 and 1000
- Solve word problems using efficient strategies

### Geometry and Measurement

- Identifies right angles
- Finds area by counting squares
- Compares and contrast area and perimeter
- Identifies symmetry
- Tells time to the minute and investigates the relation between units of time
- Makes conversions across the metric system
- Solves problems using the metric system
- Estimates and calculates measures

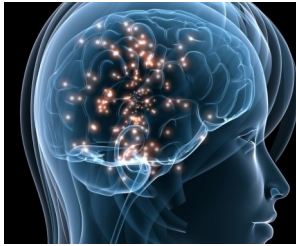
### Fractions and Data

- Uses bar graphs and tables to solve multistep word problems
- Simplifies and find equivalent fractions
- Compares fractions with like and unlike denominators
- Adds and subtracts fractions with common denominator
- Identifies the connection between fractions and decimals
- Solves money problems



# IPC 4 Units of Work Overview

## Brainwave: The Brain



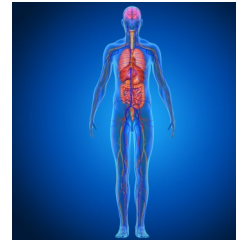
Do you remember learning about the brain? We are going to find out more about how our brain and memory work to help us learn. This unit is all about metacognition! We will learn what our brain needs to be ready to learn so we can become better learners!

Personal  
Goal  
Focus

**Adaptable**

**Empathetic**

## How Humans Work



We will be learning about the different functions of the human body, including how we see, hear, digest, breathe and move. We will also investigate how to respect our body by maintaining a healthy lifestyle, and the effects of diet and exercise on the body.

We will need to be scientists, nutritionists and sports instructors in order to gain a deep understanding of how humans work. Have you ever considered how your body works? And what does it really mean to be healthy?

Personal  
Goal  
Focus

**Respectful**

**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 4 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**

## 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.

The course begins with a review of the concepts found in earlier courses, including loops and events. Afterward, students will develop their understanding of algorithms, nested loops, while loops, conditionals, and more.

Personal  
Goal  
Focus

**Ethical**

**Thinker**



# IPC 4 Units of Work Overview

## 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**



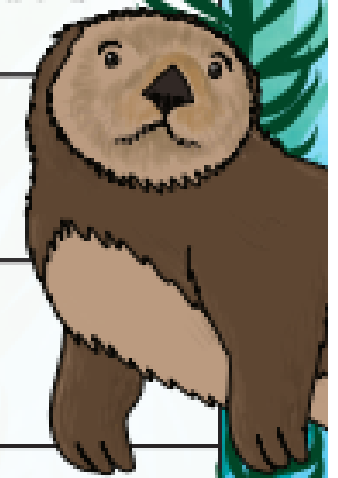
# Wellbeing Overview IPC 4

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



# Wellbeing Overview IPC 4

| 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)<br>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)<br>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 4 High Frequency Words

|              |                |                |              |                |
|--------------|----------------|----------------|--------------|----------------|
| 201. high    | 221. light     | 241. life      | 261. sea     | 281. watch     |
| 202. every   | 222. thought   | 242. always    | 262. began   | 282. far       |
| 203. near    | 223. head      | 243. those     | 263. grow    | 283. Indians   |
| 204. add     | 224. under     | 244. both      | 264. took    | 284. really    |
| 205. food    | 225. story     | 245. paper     | 265. river   | 285. almost    |
| 206. between | 226. saw       | 246. together  | 266. four    | 286. let       |
| 207. own     | 227. left      | 247. got       | 267. carry   | 287. above     |
| 208. below   | 228. don't     | 248. group     | 268. state   | 288. girl      |
| 209. country | 229. few       | 249. often     | 269. once    | 289. sometimes |
| 210. plants  | 230. while     | 250. run       | 270. book    | 290. mountains |
| 211. last    | 231. along     | 251. important | 271. hear    | 291. cut       |
| 212. school  | 232. might     | 252. until     | 272. stop    | 292. young     |
| 213. father  | 233. close     | 253. children  | 273. without | 293. talk      |
| 214. keep    | 234. something | 254. side      | 274. second  | 294. soon      |
| 215. trees   | 235. seemed    | 255. feet      | 275. later   | 295. list      |
| 216. never   | 236. next      | 256. car       | 276. miss    | 296. song      |
| 217. started | 237. hard      | 257. miles     | 277. idea    | 297. being     |
| 218. city    | 238. open      | 258. night     | 278. enough  | 298. leave     |
| 219. earth   | 239. example   | 259. walked    | 279. eat     | 299. family    |
| 220. eyes    | 240. beginning | 260. white     | 280. face    | 300. it's      |

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