

## ***The Battle of Bug World (Song Bird 2) by Karen Tyrrell***

### ***Teacher Notes: The Battle of Bug World (Song Bird 2) by Karen Tyrrell***

*A read-aloud, junior novel suitable for children 7+, teachers, librarians, parents, school counsellors, reluctant readers and superhero fans.*

Age Level: 7 – 12+ years Word Count: 23K

Reviewed and supported by Just Write for Kids, Buzz Words, Readlilearn, teachers, school counsellors, children's authors, reviewers, children, parents. Aligned with Kids Matter & primary **STEM** Science curriculum

### ***Discussion Ideas***

#### **Knowledge and Literal Understanding**

- Bees are disappearing from the planet.
- Climate change affects our weather and the environment.
- Children can help save the environment. Recycle. Reuse.Reduce.
- Solar energy is a sustainable source of energy.
- Superhero powers can be explained by STEM science, science fiction & engineering.
- We can empower ourselves to live strong with humour, resilience, perseverance, brain power and working as a team.

#### **Inferential and Critical Thinking**

- How can we help save the bees?
- How can we help save the environment?
- Why does Rosella Ava Bird go to Bug World?
- What part does the power of friendship play in The Battle of Bug World?
- How can Song Bird's super powers be explained by STEM science, engineering, technology and science fiction?

### ***Literacy Skills***

#### **Word Building**

- *Word Endings* – adding 'ed'- *whizzed, zigzagged, boomed, bucketed, throbbed, gazed, retreated, transformed, covered, pumped, flashed, grabbed*
- *Ending rule* - change y to i – *bullied, terrified, scurried, hurried, emptied, worried,*
- *Adding ING:* *rattling, shivering, chattering, wobbling, scanning, ripping, freezing, handling, ticking, hiding, looking, thinking, coming, destroying, twiddling, spinning.*
- *Vocabulary **Battle of Bug World:*** *insects, bug, bee, cockroach, scorpion, wasp, spider, fly, wings, zoom, stinger, legs, feelers, honey, hive, battle, world, rescue.*
- *Emotion Words:* *brave, feeling, screamed, heart thumping, worried, evil, worry, laugh, terrify grim, shiver, smile, cry, embarrass, bawl, terror, disappoint,*
- *High Frequency Words* –*song, bird, flew, sang, super, kids, school, bully, friend, teacher, family, brother, sister, Mum, Dad, save, rescue, school, zoom,*
- *Onomatopoeia* – (see Drama), *CRASH, BANG, BZZZ, CRACK, RUMBLE, ZOOM, CLATTER, RATTLE, WHOOSH, WHIR, ZIP, ZAP, SPLAT, CRUNCH, THUD, SKID SCREECH, whizzed, boomed, rattle, zoom, buzzed, croak, squawk, rasp.*

#### **Grammar**

- *Naming Words* – nouns – find the naming words in the story.
- *Action Words* – verbs – (see also Word Endings and Drama)

#### **Comprehension**

- Song Bird 2 Quiz Questions - Activity sheet
- Environment Quiz Questions - Activity sheet
- Bee Quiz Questions - Activity sheet

## ***The Battle of Bug World (Song Bird 2) by Karen Tyrrell***

### **Literature**

- Read fiction and non-fiction texts about the environment.

### **Writing**

- When did you help save the environment? What did you do? What challenges did you face? Write a true account or a story from your imagination.
- Have you ever wished you had SUPER Powers? What would YOU do?
- Acrostic Poem – BATTLE– BUG - WORLD
- Creative Writing Activity Sheets -- Create a SUPER hero or SUPER villain

## ***Cross Curricular***

### **STEM Science**

The Australian Government is investing money in schools to increase student engagement in **STEM** subjects.

**Science**  
**Technology**  
**Engineering**  
**Mathematics**

**ENVIRONMENT... Hands on STEM Science activities.**

<http://www.sciencebuddies.org/blog/2016/04/environmental-education-stem-project-roundup.php>

**BUGS & INSECTS... Hands on STEM Science activities.**

<http://www.sciencebuddies.org/blog/2016/07/bug-and-insect-stem-roundup.php>

**BEES ... Hands on STEM Science activities.**

<http://blog.growingwithscience.com/2010/05/honey-bees-science-activities-for-kids/>

**EXTREME WEATHER & Climate Change ... Hands on STEM Science activities.**

<http://stem-works.com/subjects/5-extreme-weather/activities>  
<https://www.jpl.nasa.gov/edu/teach/tag/search/Climate+Change>

## **SUPER POWERS**

- How can SUPER powers be explained by STEM science?
- How does Song Bird fly? How does she lift up off the ground? How does she move?
- How is singing produced by your vocal chords? How is singing explained by science?
- How do you sing louder? higher? Hold a note for longer? How could singing shatter windows?
- How did Leonardo da Vinci build his flying machines? How do they work?

**Links: STEM Science & Superpowers**

10 Inventions that gave us Superpowers:

<http://scienceonthego.griffith.edu.au/superpowers/>

Science of Super Powers

<http://www.stemfinity.com/The-Science-Of-Super-Powers-Camp>

Science of Superpowers VIDEO <https://www.youtube.com/watch?v=JMhew8yRjvA>

## ***The Battle of Bug World (Song Bird 2) by Karen Tyrrell***

Superpowers on Wiki [http://powerlisting.wikia.com/wiki/Superpower\\_Wiki](http://powerlisting.wikia.com/wiki/Superpower_Wiki)

### **History - Song Bird's Mentors**

- Who is Leonardo Da Vinci & what is he famous for? What did he invent?
- Who is Amelia Earhart & what is she famous for? What did she do
- Who were the first Superheroes? What is the history of DC and Marvel comics?

### **Social Skills**

- Discuss how to make and keep a friend?
- How can you work with a team ... to succeed?
- How do families look after each other?

### **Maths**

- SUPER maths race/ challenges with speed OR amount of sums completed
- How many sums can you complete in 10 minutes?
- Timer: how long does it take you to do 10 20 50 100 sums ....and get them right?
- Geometry: How do you draw Superhero symbols and logos? ie star, lightning bolt,

### **Mathematical Superpowers ...**

Times tables, problem solving, calculations, maths problems, resonating, fluency.

<http://www.oakham-primary.rutland.sch.uk/mathematics/>

### **Craft**

- Create ***Song Bird Superhero and The Battle of Bug World*** posters (*SEE Literature*) Use *textas, crayons, paint, pencil, collage, art paper, cardboard,*
- *Create Superhero stick puppets*
- *Create Superhero masks*
- *Create superhero logos*
- *Create Superhero onomatopoeia words and slogans*

### **Art**

- Illustrate a scene from the text or from the story as outlined in *Writing*.
- ***The Battle of Bug World*** colour-in sheets using bright colours. Activity sheets

### **Drama**

Body language:

- Show how to stand and walk likes a superhero. Hero pose: head up, smile, shoulders back, hands on hips.
- Walking a straight line showing self-confidence: walking tall, shoulders back, chin up.
- Imitate insect's movements: Bee's waggle dance, Scorpion's pincers, Cockroach's scuttle, Spider spinning a web,

Present ***The Battle of Bug World*** PLAY or pantomime.

**Show range of GOOD emotions** using facial expressions and hand gestures ...

Good, determined helpful, scared, sad, confident, assertive, friendly, guilty, proud, nervous, caring, sorry, kind

**EVIL emotions:** unfriendly, mean, aggressive, frightening, scary, bully, black, slink, hide.