



THE ERT

MICHAELS

CAMPAIGN

AIM:

*Our aim was to find a way to present a message through geometrical code.

*We used our knowledge of similar triangles to determine the bases and hypotenuses of each triangle in our code.

*We also made sure all side lengths of all triangles were appropriate and correct by parallel lines.

*And we tried to apply all of this to a real world context through creative writing.

EVALUATION:

*We achieved our aim after months of hard-work and collaborating. Each time a new feature had to be brought into our investigation it was hard to get our heads around it at first, but eventually we understood the code and geometrical shapes we were working with. Our geometrical code was certainly not how we had planned it, but it is incredible to actually **know** that we have finished this project and managed to reach our aim however creative we had to be.

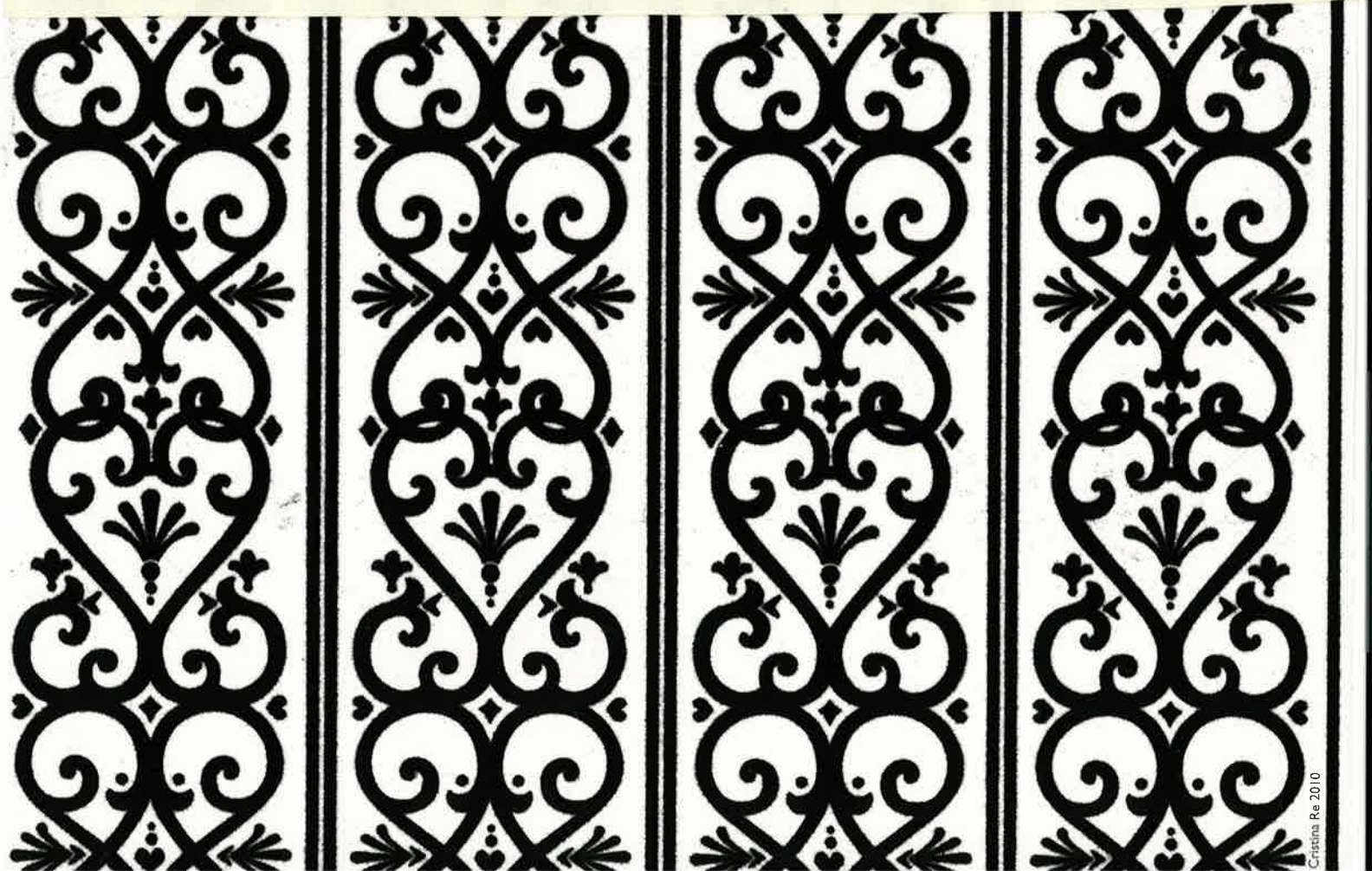
BIBLIOGRAPHY:

*Gauss Student Notes- Enrichment Stage 1999

*Mathematics in Historical Context by Jeff Suzuki II. **The Modern World**

*https://en.wikipedia.org/wiki/Substitution_cipher

*http://www.vectorsite.net/ttcode_01.html



Chapter 1.

Finn Clark is a year 12 student at Melbourne High. He is short and stout and seems like he has been waiting for the growth spurt to hit him for some time now. He has scruffy, curly hair and wears glasses. He always carries a big bag full of books.

He quickly goes through the main gate and start walking on the winding path which goes all the way to the main building of the school. There are a few buildings on the side devoted to science and maths faculties. The library is in the main building in the center.

Finn looks at the boys playing basketball in the side grounds. He loved to play basketball but was not selected for the school team. He did turn up for the trials but felt to awkward and left without trying. He wondered if he had mustered the courage to try for it on that day then he might have been playing with the team right now. He snaps himself out of his day dreams.

Finn realises he is hungry. He has not had his lunch yet. He starts moving toward the school canteen which is in the main building. As Finn walks he sees faint streaks of blood on the shiny floor as if someone was dragged. He follows the marks which take him towards the set of lockers. As he carefully and slowly moves forward, he freezes in his tracks as someone's hands grab him from behind forcefully and in a few seconds he has fallen unconscious.

Finn opens his eyes in a dark room on a chair. He tries to get up but then realises that he has been restrained by ropes. As Finn slowly grasps his surroundings he recognises that it is a salon. He begins to try and get up once again but is pushed back by someone. Finn stares at this person. He is tall and has broad shoulders. He has a baseball cap and long dark jacket. Finn could not see the stranger's face clearly in the dark.

"Who are you?" Finn musters the courage.

"Where am I and why did you bring me here?"

"Settle down, kid." Finn's kidnapper said.

"I have some questions you can answer first". His deep voice carries on. "Why have you been murdering all these people?"

"Murdering people? Are you crazy? What- are you talking about?" Finn starts stammering with nervousness.

"So you are telling me that you know nothing about the murders?" the stranger interrogated.

"No, I have no idea what you are talking about. I have heard there have been some murders but I thought someone was just spreading rumours." Finn stated nervously.

"You have been seen by many witnesses at each of the scenes of crime. How could this be a coincidence?"

"I was on the crime scenes? What are you talking about? What crime scenes?"

The figure in the dark kept looking at Finn's face intently. He could see that Finn was telling the truth but there was one thing he was always taught; never tell a suspect how you are feeling.

VICTIM PROFILES | 2013

<p>1. SURNAME: MICHAELS GIVEN NAME/S: ALB-ERT DOB: 06-12-1995 DATE OF DISAPPEARANCE: 08-06-2013 DATE BODY FOUND: 15-06-2013 PLACE FOUND: 380 OLD SYDNEY ROAD, MICKLEHAM 3064 CAUSE OF DEATH: UNKNOWN DETAILS: *Ert Michaels Campaign *4th place- Real-Life Problem Solving Competition</p>	<p>2. SURNAME: GREEN GIVEN NAME/S: BRADY DOB: 25-10-1995 DATE OF DISAPPEARANCE: 17-06-2013 DATE BODY FOUND: 24-06-2013 PLACE FOUND: FOOTSCRAY MARKET CAUSE OF DEATH: UNKNOWN DETAILS: *27th place- Real-Life Problem Solving Competition</p>
<p>3. SURNAME: SMITH GIVEN NAME/S: CHESSIE DOB: 01-06-1995 DATE OF DISAPPEARANCE: 27-06-2013 DATE BODY FOUND: 04-07-2013 PLACE FOUND: CHADSTONE SHOPPING CENTRE CAUSE OF DEATH: UNKNOWN DETAILS: *44th place- Real-Life Problem Solving Competition</p>	<p>4. SURNAME: OLIVER GIVEN NAME/S: DOUG DOB: 28-05-1995 DATE OF DISAPPEARANCE: 06-07-2013 DATE BODY FOUND: 13-07-2013 PLACE FOUND: ROXBURGH COLLEGE CAUSE OF DEATH: UNKNOWN DETAILS: *1st place- Real-Life Problem Solving Competition</p>
<p>5. SURNAME: POLKADOT GIVEN NAME/S: EMELIE DOB: 19-07-2013 DATE OF DISAPPEARANCE: 15-07-2013 DATE BODY FOUND: 22-07-2013 PLACE FOUND: BARMAN GRANGE, GREENVAL 3059 CAUSE OF DEATH: UNKNOWN DETAILS: *48th place- Real-Life Problem Solving Competition</p>	<p>6. SURNAME: IGLOO GIVEN NAME/S: FINLEY DOB: 04-05-1995 DATE OF DISAPPEARANCE: 23-07-2013 DATE BODY FOUND: 30-07-2013 PLACE FOUND: 271-273 REX RD, CAMPBERRIE 3061 CAUSE OF DEATH: UNKNOWN DETAILS: *16th place- Real-Life Problem Solving Competition</p>
<p>7. SURNAME: AFRO GIVEN NAME/S: GEPETTO DOB: 05-12-1995 DATE OF DISAPPEARANCE: 31-07-2013 DATE BODY FOUND: 06-08-2013 PLACE FOUND: KEILOR BOTANIC GARDENS CAUSE OF DEATH: UNKNOWN DETAILS: *9th place- Real-Life Problem Solving Competition</p>	<p>8. SURNAME: TRAIN GIVEN NAME/S: HILDA DOB: 18-10-1995 DATE OF DISAPPEARANCE: 07-08-2013 DATE BODY FOUND: 14-08-2013 PLACE FOUND: 22 PALM ST, FAIRFIELD 3078 CAUSE OF DEATH: UNKNOWN DETAILS: *36th place- Real-Life Problem Solving Competition</p>

* Documents given to Finn & Jett by the FEDS.

VICTIM PROFILES | 2013

9. SURNAME: EARL GIVEN NAME/S: IGGY DOB: 12-05-1995 DATE OF DISAPPEARANCE: 16-08-2013 DATE BODY FOUND: 23-08-2013 PLACE FOUND: 146 GAFFNEY ST, COBURG NORTH 3058 CAUSE OF DEATH: UNKNOWN DETAILS: *12th place- Real-Life Problem Solving Competition	10. SURNAME: NELSON GIVEN NAME/S: RICKY DOB: 25-02-1995 DATE OF DISAPPEARANCE: 24-08-2013 DATE OF BODY FOUND: 31-08-2013 PLACE FOUND: MELBOURNE GRAMMAR CAUSE OF DEATH: UNKNOWN DETAILS: *3rd place- Real-Life Problem Solving Competition
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* Documents given to Finn & Jett by the FEDS.

THE DART COMPETITION 2013

*A competition held by the school every year. A team of three people enter. They take it in turns to play with each other in pairs until each person has played two games with the other two people in their team. The team with the highest sum of all their scores is the winner. The school allows kids to play twice as long as they enter the competition with different people. This competition is played in several rounds.

<u>Alb-Ert Michaels</u> *Round 1: <ul style="list-style-type: none"> - Partners: Brady & Chessie - Points w/ Brady: 9 - Points w/ Chessie: 27 *Round 3: <ul style="list-style-type: none"> - Partners: Emelie & Finley - Points w/ Emelie: 1 - Points w/ Finley: 3 *Round 6: <ul style="list-style-type: none"> - Partners: Hilda & Iggy - Points w/ Hilda: 3 - Points w/ Iggy: 9 	<u>Finley Igloo</u> *Round 3: <ul style="list-style-type: none"> - Partners: Ert & Emelie - Points w/ Ert: 3 - Points w/ Emelie: 4
<u>Brady Green</u> *Round 1: <ul style="list-style-type: none"> - Partners: Ert & Chessie - Points w/ Ert: 9 - Points w/ Chessie: 44 *Round 2: <ul style="list-style-type: none"> - Partners: Chessie & Doug - Points w/ Chessie: 44 - Points w/ Doug: 12 *Round 4: <ul style="list-style-type: none"> - Partners: Chessie & Iggy - Points w/ Chessie: 44 - Points w/ Iggy: 16 	<u>Gepetto Afro</u> *Round 5: <ul style="list-style-type: none"> - Partners: Doug & Hilda - Points w/ Doug: 4 - Points w/ Hilda: 12 *Round 6: <ul style="list-style-type: none"> - Partners: Ert & Hilda - Points w/ Ert: 3 - Points w/ Hilda: 12
<u>Chessie Smith</u> *Round 1: <ul style="list-style-type: none"> - Partners: Ert & Brady - Points w/ Ert: 27 - Points w/ Brady: 44 *Round 2: <ul style="list-style-type: none"> - Partners: Brady & Doug - Points w/ Brady: 44 - Points w/ Doug: 44 *Round 4:	<u>Hilda Train</u> *Round 5: <ul style="list-style-type: none"> - Partners: Doug & Gepetto - Points w/ Doug: 48 - Points w/ Gepetto: 12 *Round 6: <ul style="list-style-type: none"> - Partners: Ert & Gepetto - Points w/ Ert: 9 - Points w/ Gepetto: 12

<ul style="list-style-type: none"> - Partners: Brady & Iggy - Points w/ Brady: 44 - Points w/ Iggy: 44 	
<u>Doug Oliver</u> *Round 2: <ul style="list-style-type: none"> - Partners: Brady & Chessie - Points w/ Brady: 12 - Points w/ Chessie: 44 *Round 5: <ul style="list-style-type: none"> - Partners: Gepetto & Hilda - Points w/ Gepetto: 4 - Points w/ Hilda: 48 	<u>Iggy Earl</u> *Round 4 <ul style="list-style-type: none"> - Partners: Brady & Chessie - Points w/ Brady: 16 - Points w/ Chessie: 44
<u>Emelie Polkadot</u> *Round 3: <ul style="list-style-type: none"> - Partners: Ert & Finley - Points w/ Ert: 1 Points w/ Finley: 4	<u>Ricky Nelson</u> *Didn't participate in the competition

"Hmmm... thought so..." Finn looks at the map thoughtfully.



* The new version of the map.

Chapter 13.

Finn sat there and stared at the crowd. There were parents and siblings and friends crying and staring at him. It was as if they could see right through him. As if they knew that he wasn't the culprit. But who were they going to believe: him or the Government?

There was nothing he could do. He could only watch lawyers and judges and witnesses speak as he just sat there. But soon it was his turn to stand. He had known what he was going to say all along and was hardly nervous anymore. He knew his fate.

So he stood up and looked across the room at everybody. He was asked to speak. He opened his mouth and had it closed again as the large oak doors of the court swung open and there stood a panting young girl.

"Stop!" She clutches her stomach and breathes heavily. "It was me. I killed them all. I have evidence!"

She clutched a light pink book to her chest. She then lifted it up to show everyone.

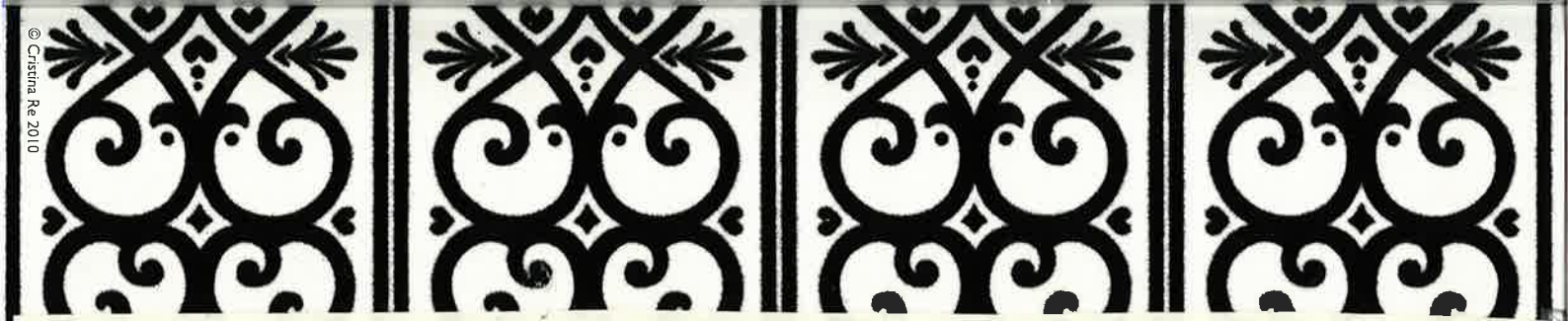
"Read it! It will tell you everything. How I planned it all and how I blamed everything on him."

Coco stood there and started to catch her breath. What was the Government to do now? How could it blame everything on Finn when they had a real suspect who had pleaded guilty?


And so Coco was arrested. And she was put on trial only to justify that she did commit every crime. No one asked questions about why the murders were so planned. Usually, when someone wants to kill another, they dump the body somewhere nearby so that they do not to lose time. But not Coco- No she had everything planned out to tell everyone the truth. And so as she sat in a chair, ready to die, she looked up at the people watching and there at the back of them all was Finn. He stood there sadly watching her. She smiled.

He was the one to tell everybody. He had to save Australia. She sacrificed herself for him so that he would be able to decontaminate the Government.

So, everything started with a group of kids who wanted an honest and responsible Government and they did everything to make Australia a better place. Now Finn is the one who will pass on the legend of the persistent Ert Michaels Campaign.



"He could see that Finn was telling the truth, but there was one thing he was always taught; never tell a suspect how you are feeling.."



Finn is just an ordinary high school kid who just doesn't understand some things. He doesn't seem to realise that everywhere he goes, his friends seem to keep being found dead less than an hour after he has left. And they all belong to a rebellious, delinquent kids' organisation between Melbourne Grammar and Melbourne Girls' Grammar. Could it be just coincidental that these kids are all being found dead? Except for Finn.

This is the story of the one and only **Ert Michaels Campaign**.

