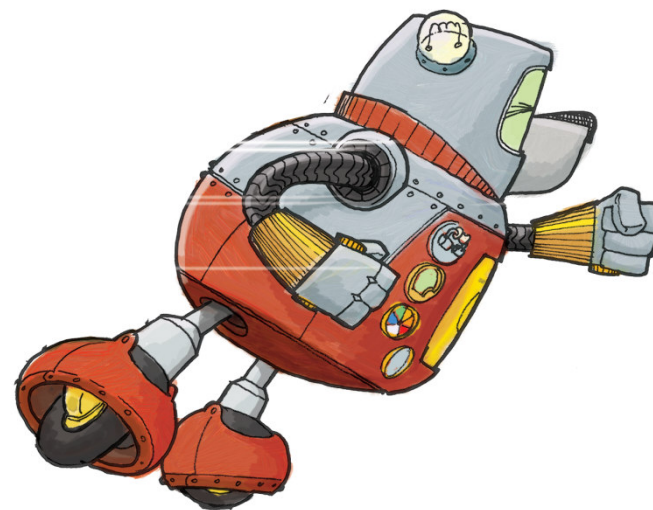


THE CREATION OF ENGIBEAR'S DREAM

ANDREW KING
AND
BENJAMIN JOHNSTON



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

1. THE IMPORTANCE OF ENGINEERING



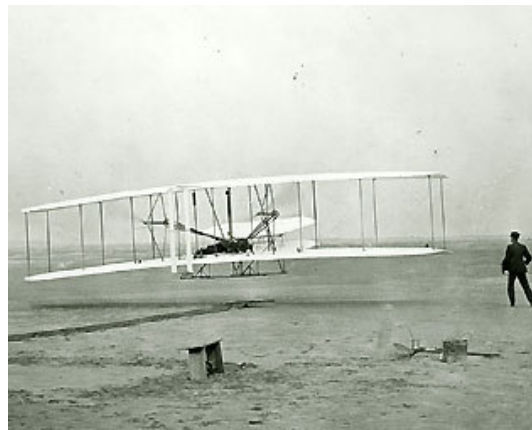
Civil/Structural



Aerospace



Mechanical





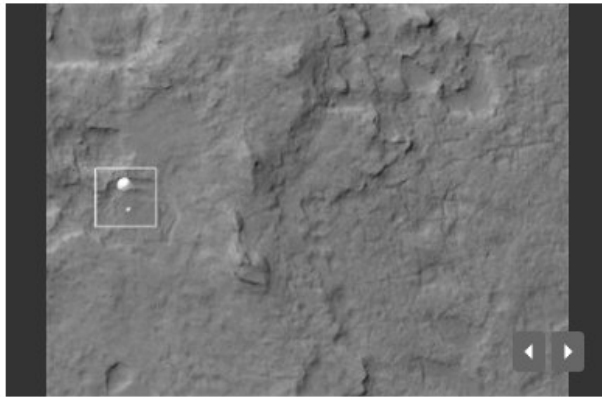
ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

Mars rover “Curiosity” landing

Mars rover landing "miracle of engineering," scientists say

 Recommend  8911 recommendations. Sign Up to see what your friends recommend.



Experimental moon
lander crashes

Astronaut Andy Thomas
is Australian Mechanical
Engineer



Project	Drawing Title
Drawn by	Drawing Number

Make it so ...



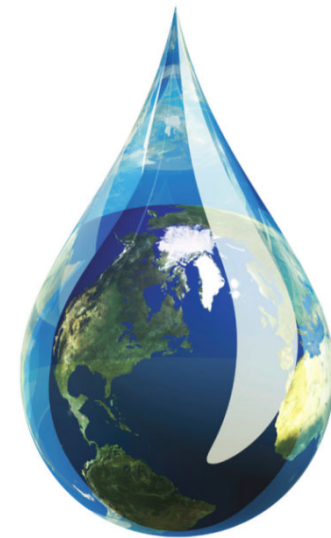
**my bicycle has
airbags**



**skyscrapers
can absorb
and use wind
energy**



**developing
communities
can reuse
agricultural
waste to create
energy for
cooking and
heating**



**everyone in the
world has access
to clean water**

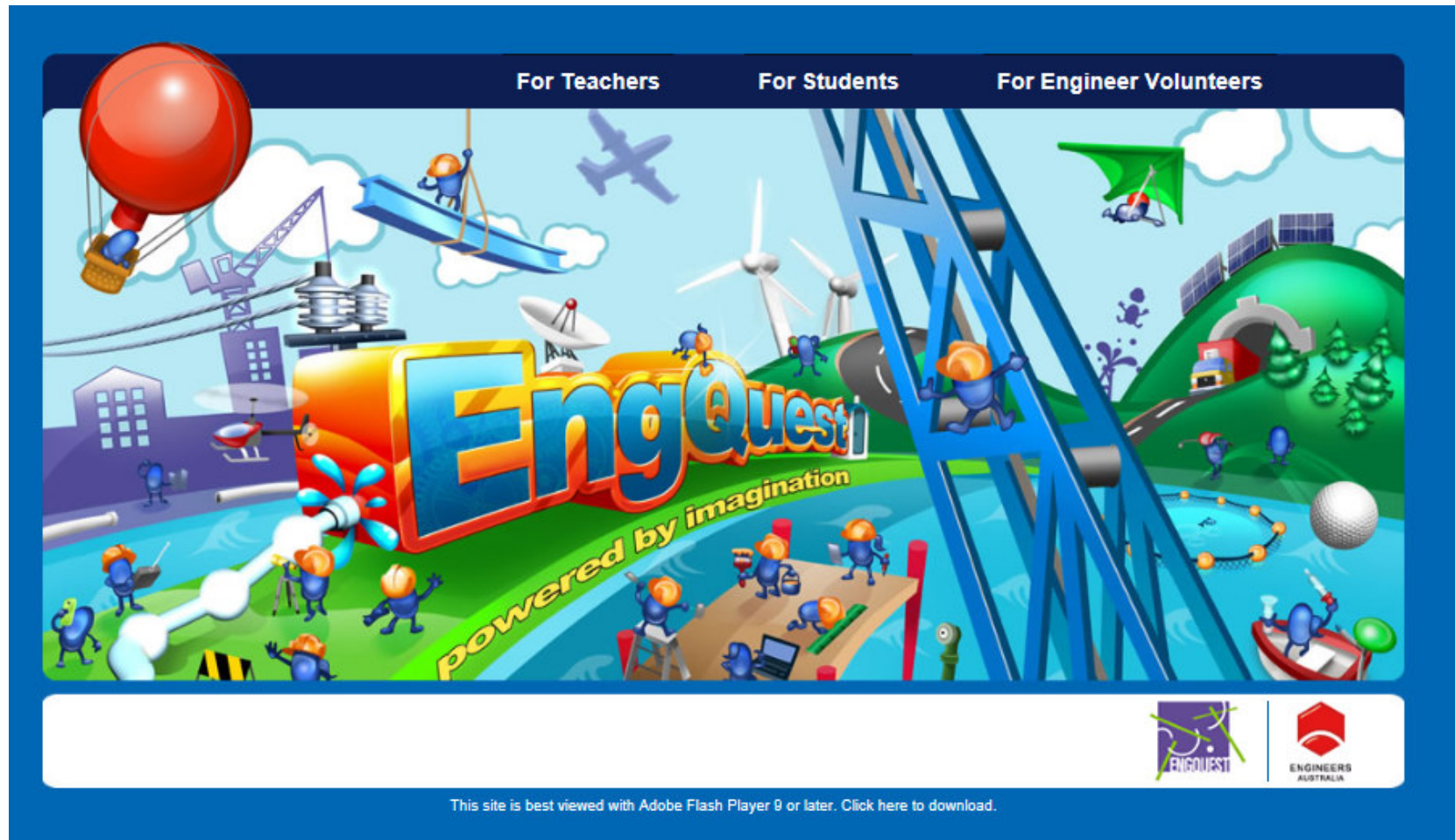


**engineers
without borders
australia**



Project	Drawing Title
Drawn by	Drawing Number

EngQuest



Project	Drawing Title
Drawn by	Drawing Number

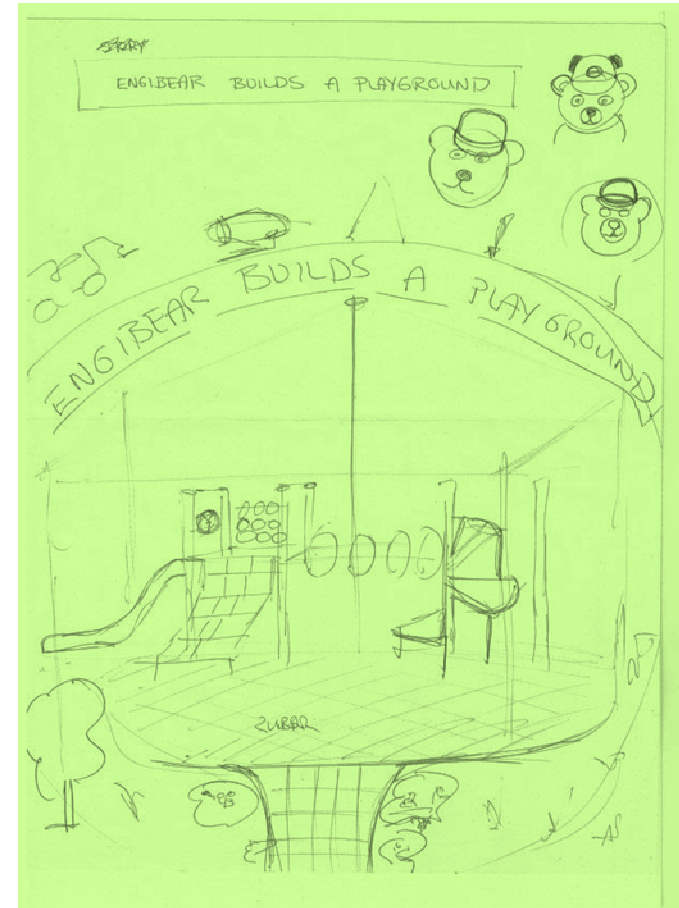
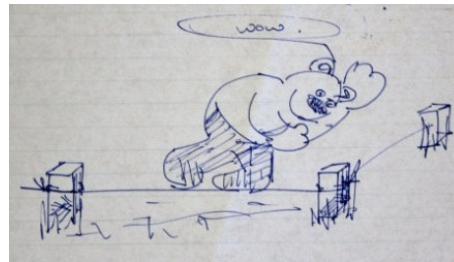
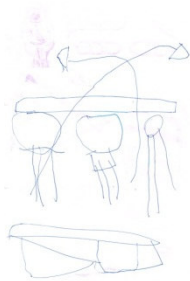
2. ENGIBEAR'S HISTORY



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

Engineering, playgrounds & drawing



Project	Drawing Title
Drawn by	Drawing Number

Douglas' early stories

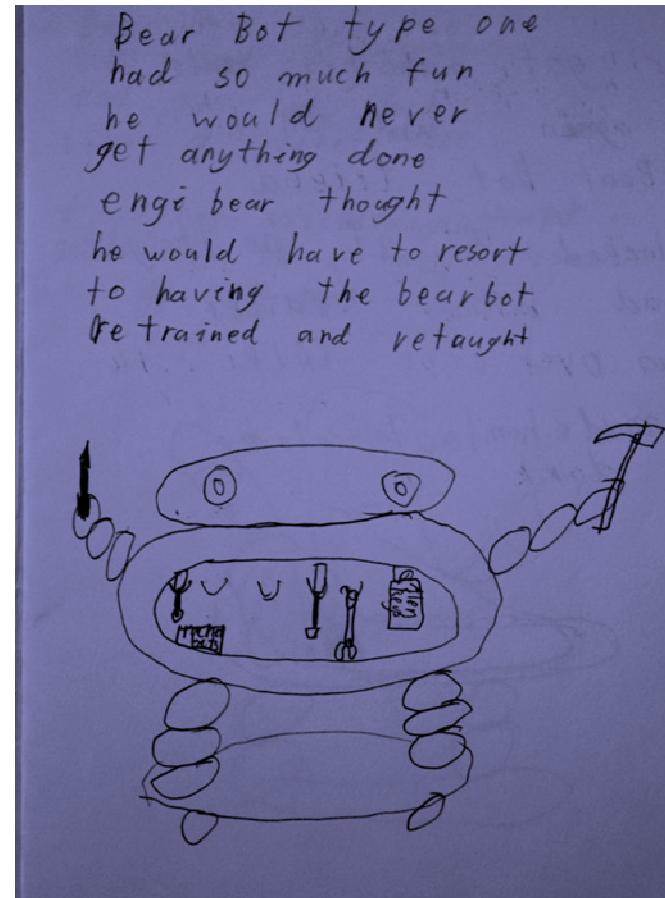
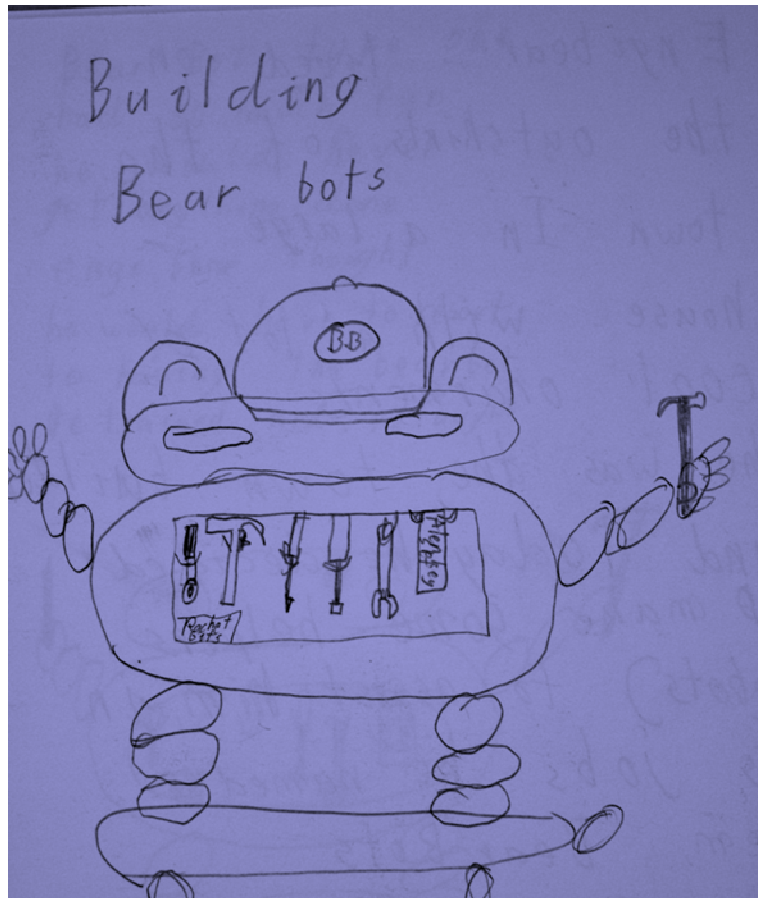
BEARBOTS They can fly
 and they can run
 and they can change
 color and also they have
 a skin it had out no one
 has wear it is and
 skin pipol no but they
 never tal wear it is
 SUM pipol BESTEM^{TAL}
 wear



ENGIBEAR
 BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

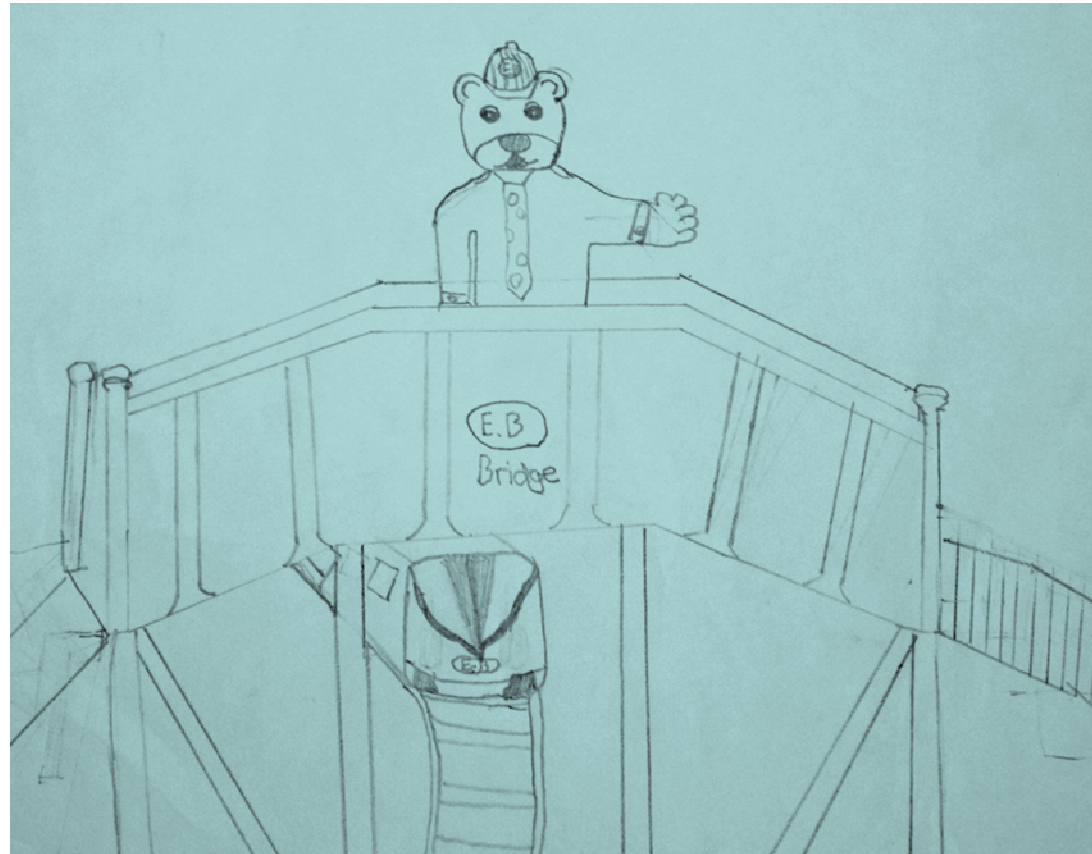
Building Bearbots



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

Engibear's Bridge



Project

Drawing Title

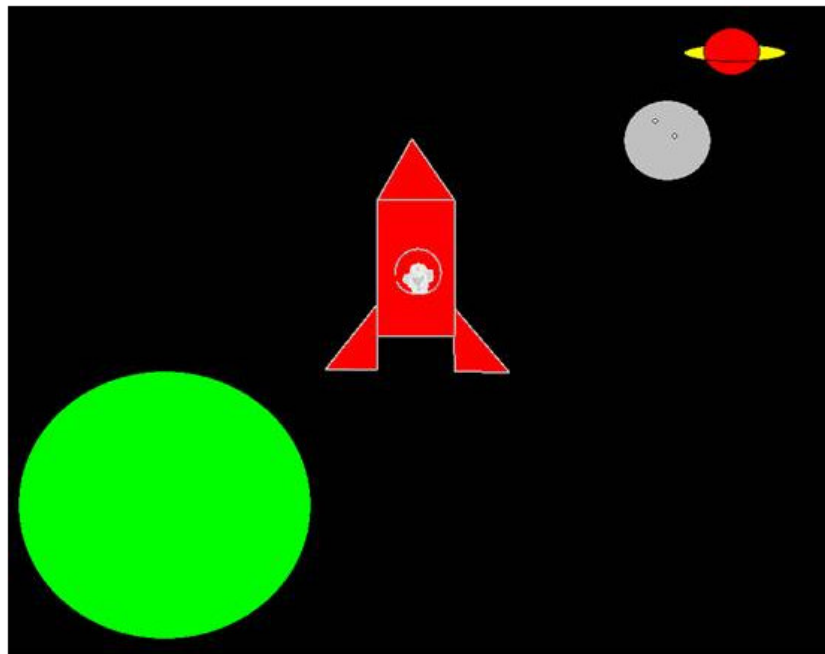
Drawn by

Drawing Number

Stories by friends

Engibear Builds a Rocket

There is a lot to consider when building a rocket
Like how high and how fast it will go
But most important is where it will fly
To the moon or the stars in the sky



Engie
Bear goes
to the Moon

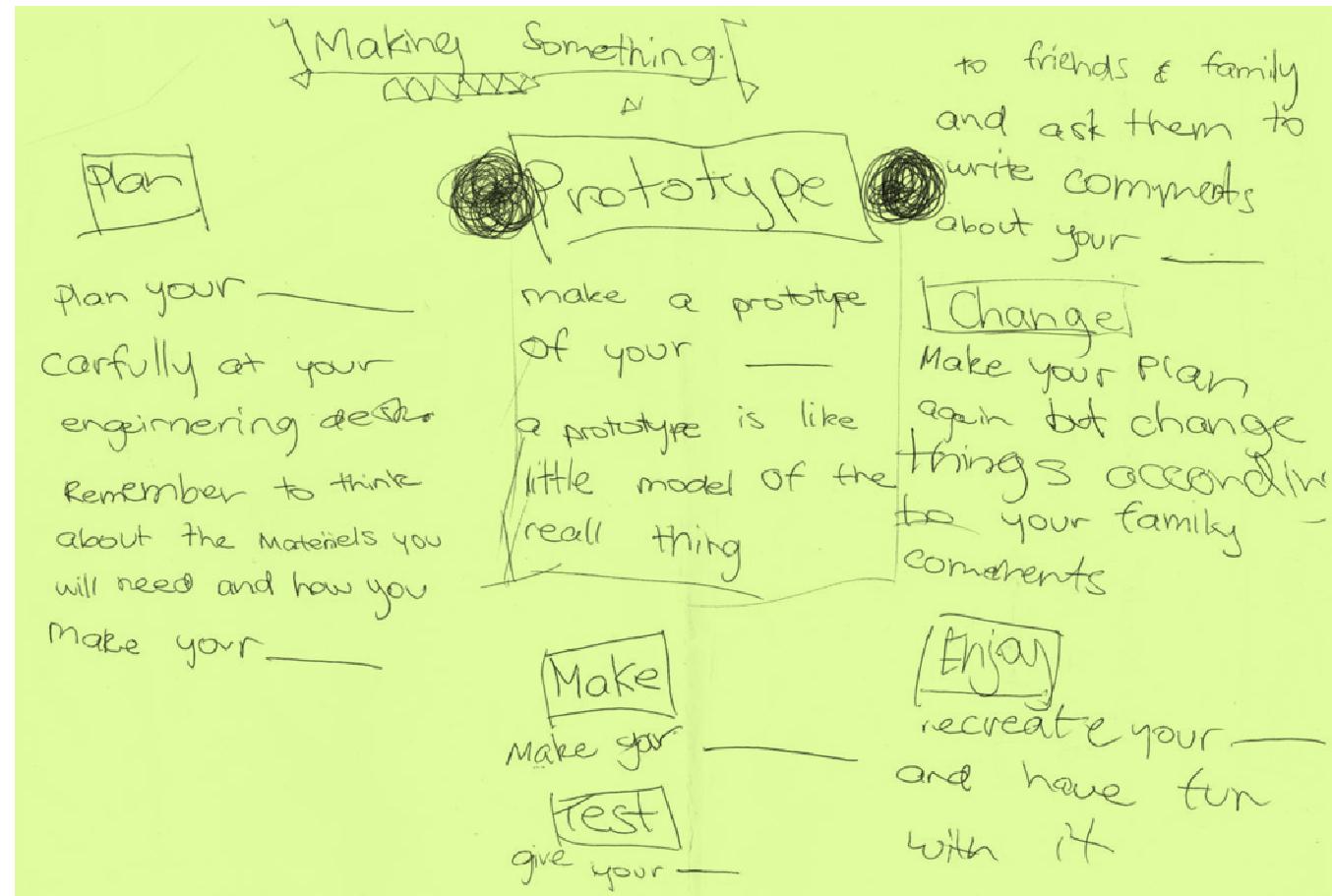


ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

Making something

1. Plan
2. Prototype
3. Make
4. Test
5. Change
6. Enjoy



ENGIBEAR
BEARLY ENGINEERING

Project

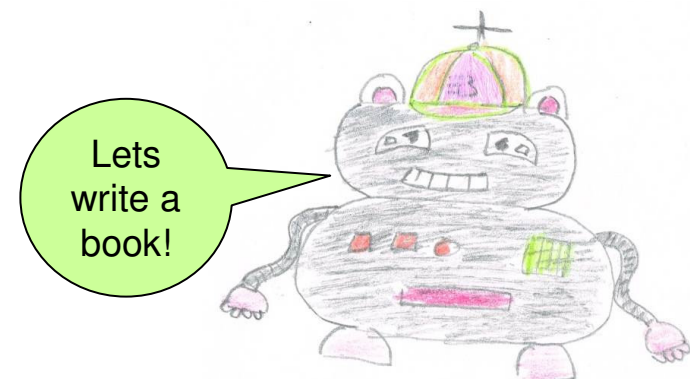
Drawing Title

Drawn by

Drawing Number

Engibear's favourite things

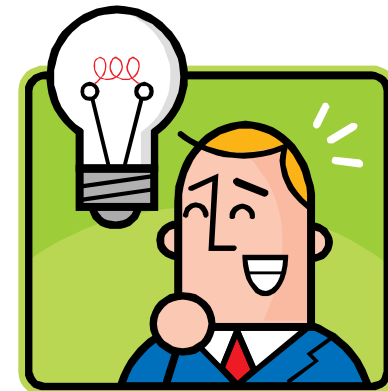
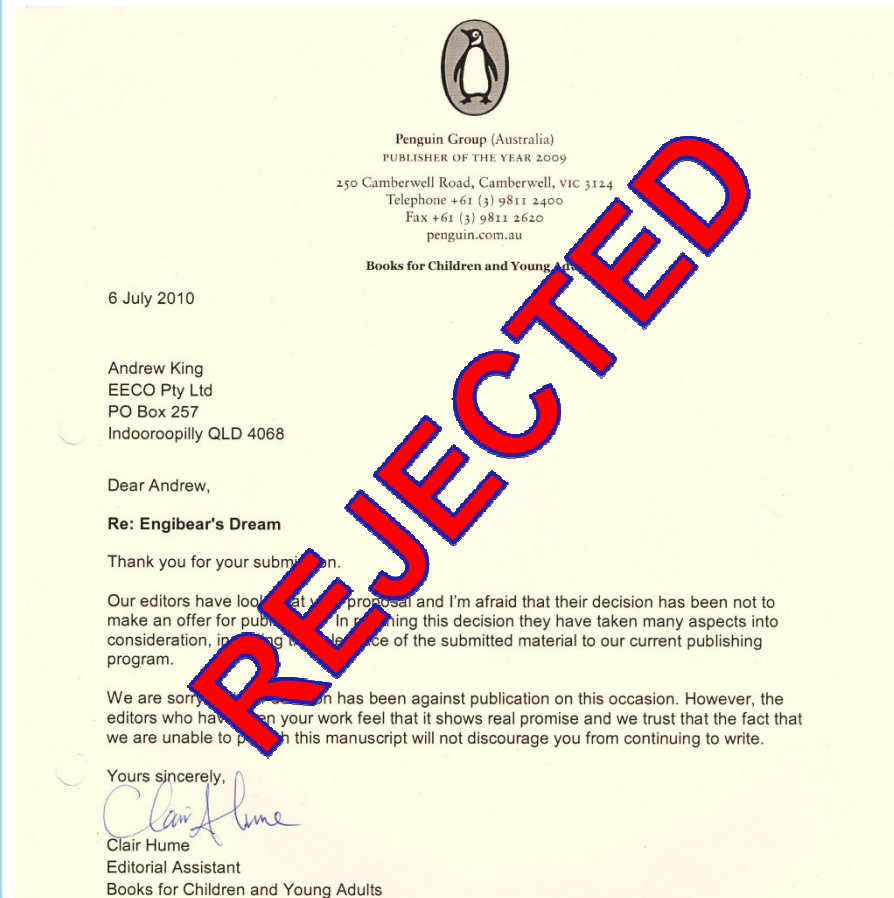
- Take out: pizza, honeycomb
- Shop: music, hardware
- Café: Much
- Breakfast: toasted honey, apple and cheese sandwich & cappuccino
- Thinking spot: comfy old swing chair out the back
- Colour: green
- Hobbies: painting, playing guitar, walking Astra,
- Music: Blues
- Animals: dogs, whales and eagles



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

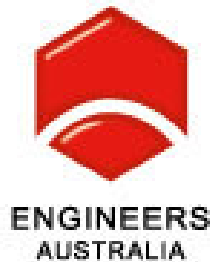
Rejection letters ...be positive



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

Professional help



EA BOOKS
THE ENGINEER'S BOOKSHOP

CREATE a **kids' book**

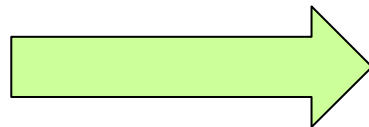


Assessment and Workshops

Dr Virginia Lowe
PO Box 2 Ormond 3204
phone 03 9578 5689 mob 0400 488 100
www.createakidsbook.com.au



- Including Engibear in more of the drawings.
- Including a more appropriate level of engineering detail in the drawings.
- Making it more obvious that the Bearbot is improved each time it fails.
- Removing the word “bum” from the text.
- Using brighter colours in the illustrations.



3. The creative partnership author and illustrator ...



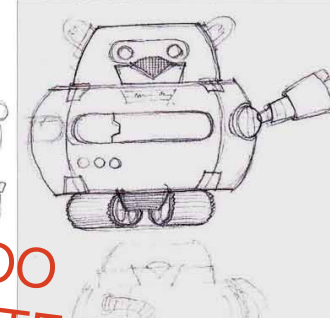
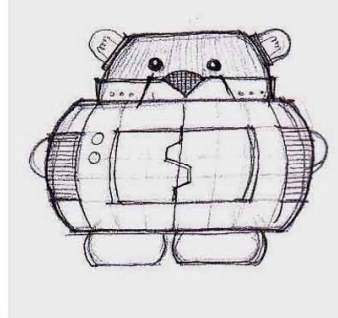
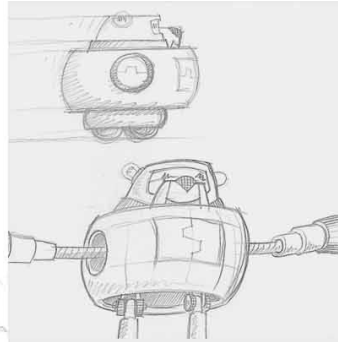
ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

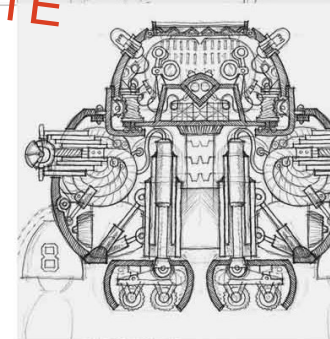
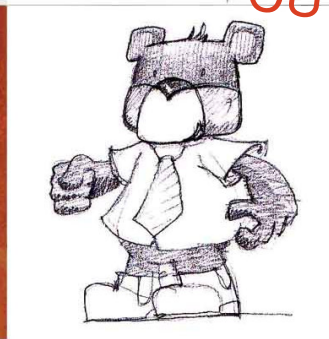
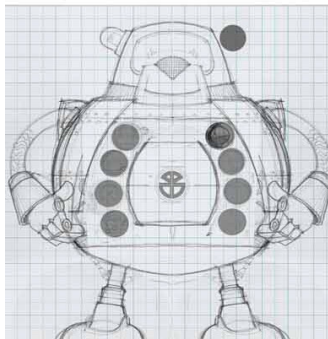
TOO
FAT



NO
PANTS
!!!



TOO
CUTE

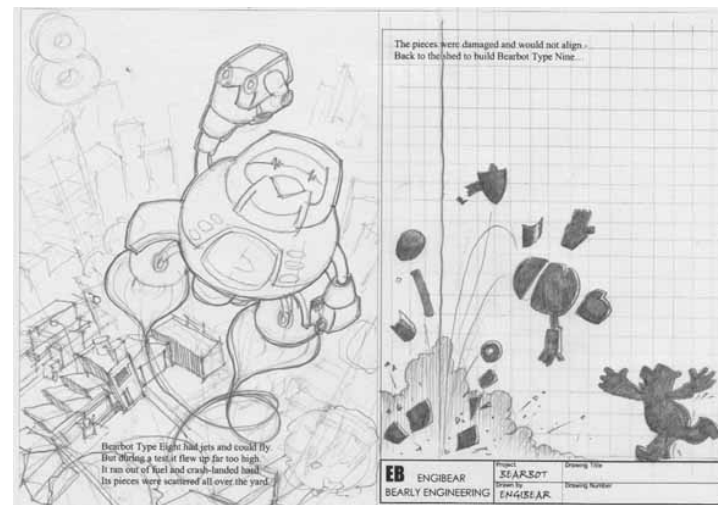
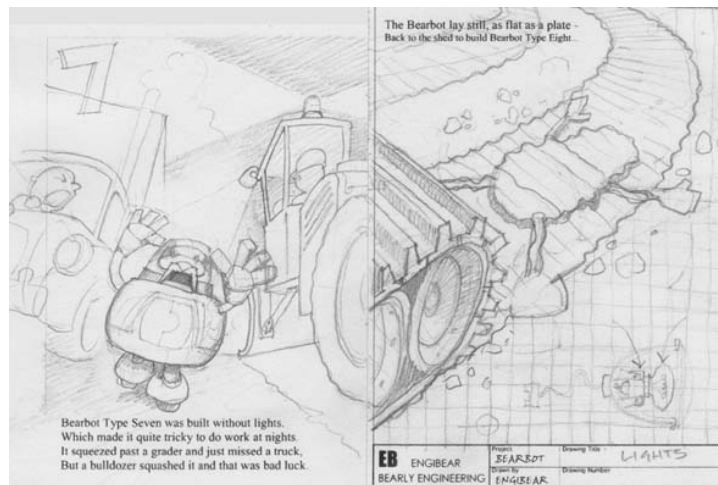
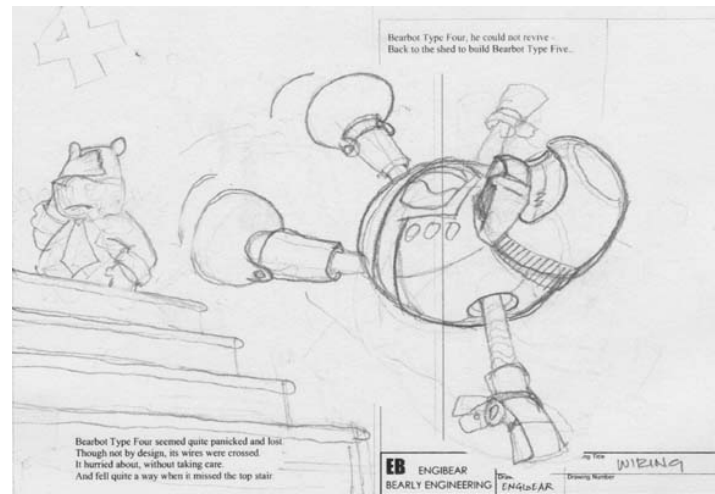
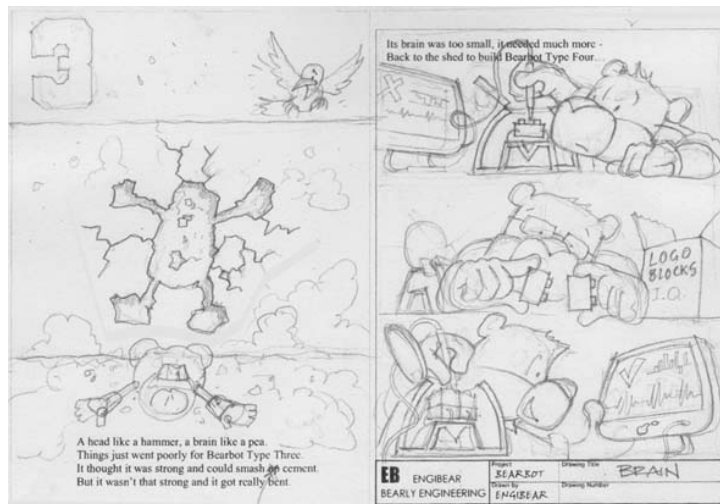


CHARACTER DEVELOPMENT



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

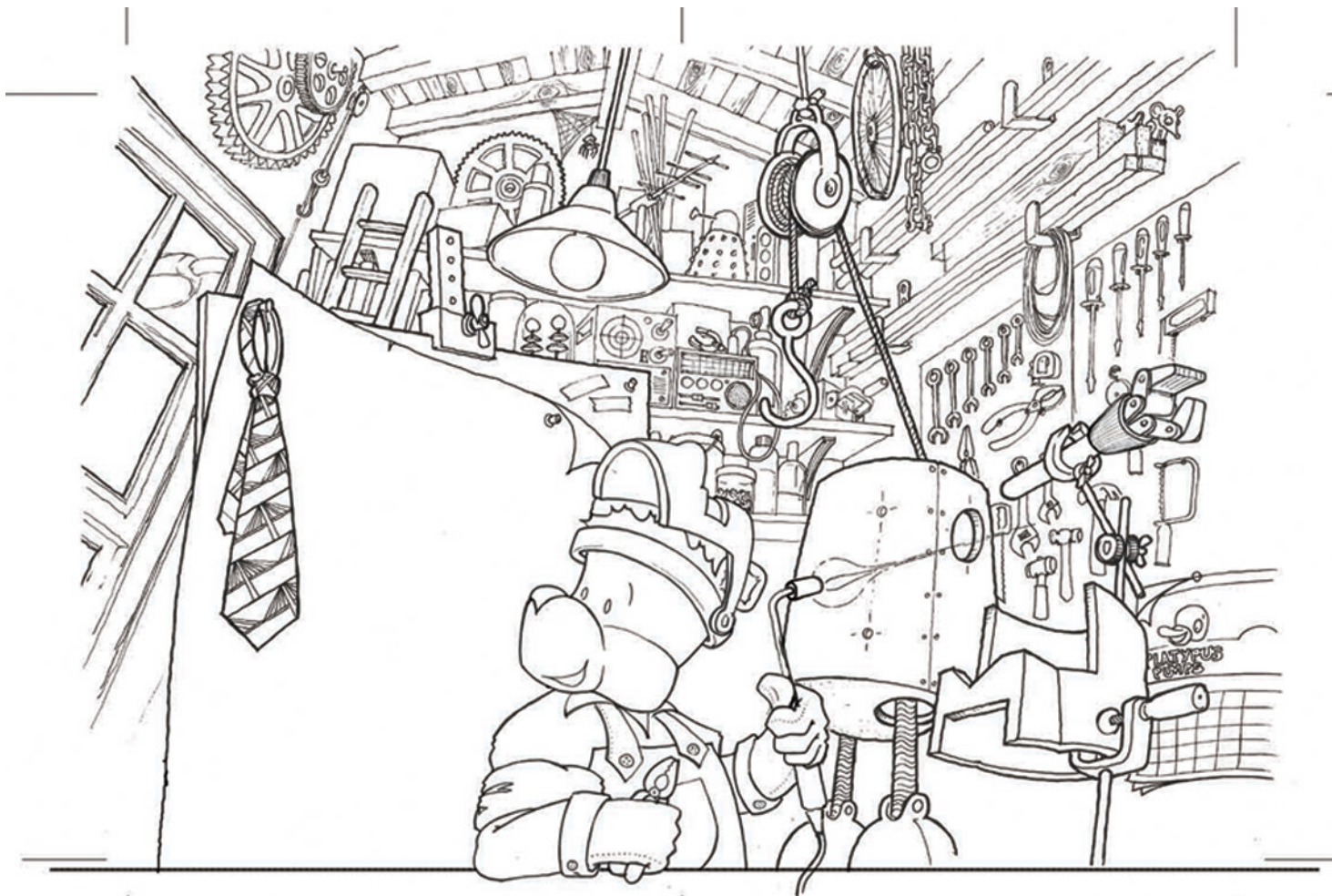


STORYBOARDS



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number



BLACK & WHITE LINEWORK



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number



COMPUTER COLOUR - FOREGROUND



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number



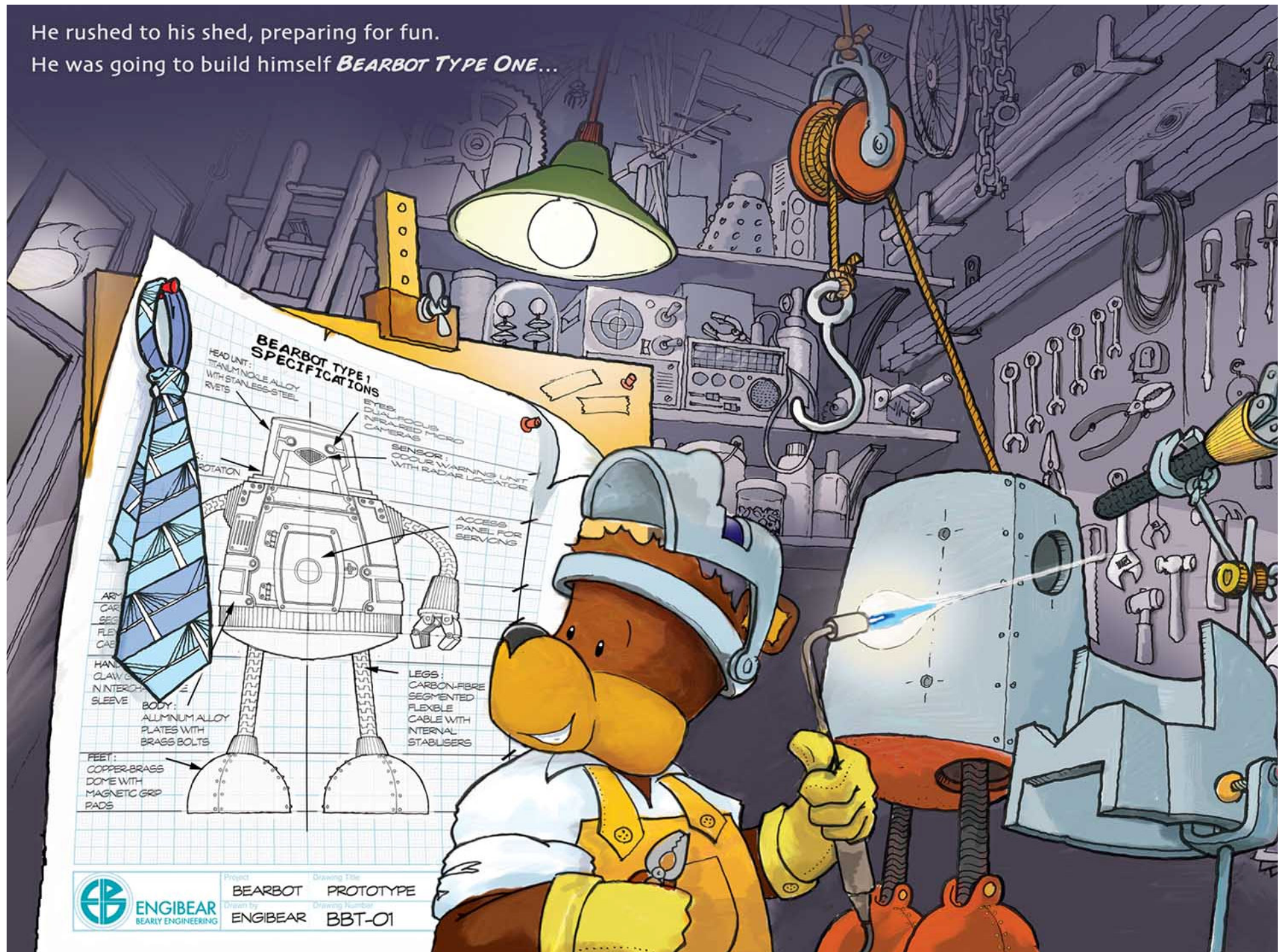
COMPUTER COLOUR - BACKGROUND



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number

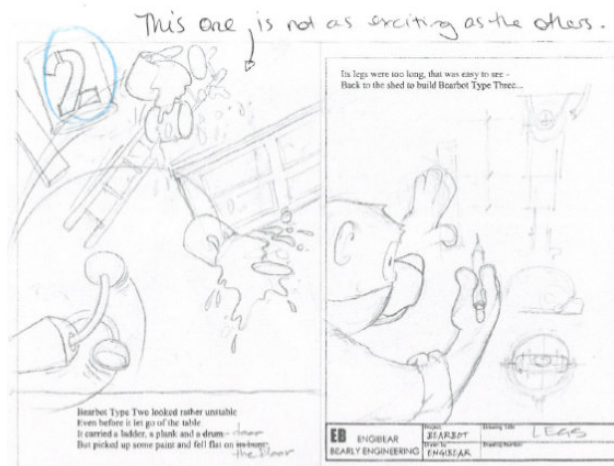
He rushed to his shed, preparing for fun.
He was going to build himself *BEARBOT TYPE ONE*...



ENGIBEAR
BEARLY ENGINEERING

Project: BEARBOT
Drawing Title: PROTOTYPE
Drawn by: ENGIBEAR
Drawing Number: BBT-01

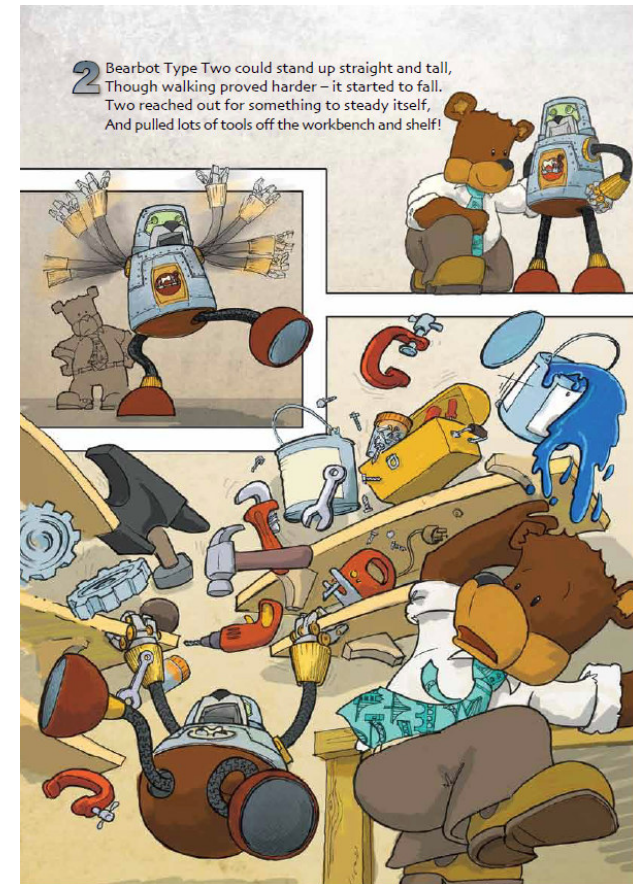
Friends helping



Bearbot Type Two looked rather unstable
Even before it let go of the table.
It carried a ladder, a plank and a drum.
But picked up some paint and fell flat on the floor.



*'... this page is
contrary and not
up to the
standard of the
other ones ...'*



Mentors and editors

A head like a hammer, a brain like a pea.
Things just went poorly for Bearbot Type Three.
It thought it was strong and could smash through concrete
But it bounced off a wall and was knocked from its feet.

Its brain was too small, it needed much more -
Back to the shed to build Bearbot Type Four...

Sticky Note
jthompson
5/04/2012 12:03:10 AM
Options

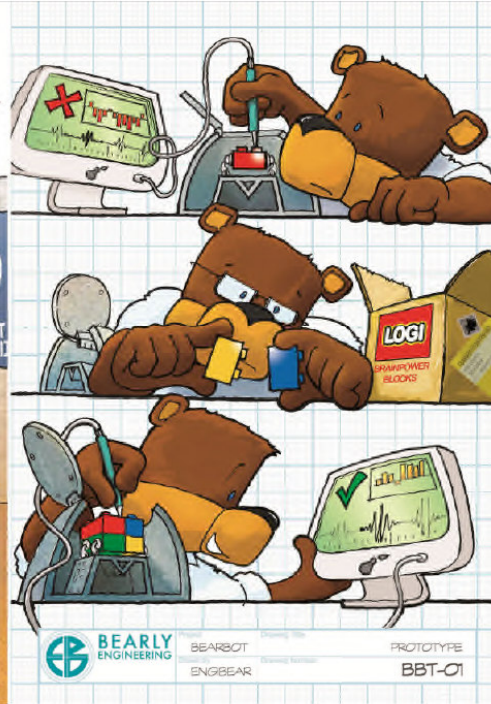
There is no where for the text on this page?

We do not see which pair of legs Engibear chose to fix the leg problem?

The reader will be looking to see how Bearbot type 3 differs from type 2. This illustration seems to focus on things above the wall, not on the Bearbot.

I like the way you have drawn the concrete, however, Bearbot type 3 has short, hydraulic legs, on the blueprint at the back of the book. This is not represented in the concrete impression on the wall.

Will need to include large number 3 to stay consistent with page 8.



Sticky Note
jthompson
5/04/2012 12:12:46 AM
Options

There is definitely not enough room for text on this page.

I appreciate that you have changed the apple logo to a pear, but the screen/computer you have drawn is clearly an apple product and would no doubt have copyright. I would caution you about using this. It is a huge risk, you could be infringing copyright. They may not like to be associated with this picturebook.

The same can be said for the Leggo. Despite being called Brainpower blocks, the shape and colour is clearly Leggo. Please check that you can use

Sticky Note
jthompson
5/04/2012 12:14:16 AM
Options

Not sure why Bearbot type 3 has red on its front?

Engibear's Dream – Draft 20120119



Project

Drawing Title

Drawn by

Drawing Number

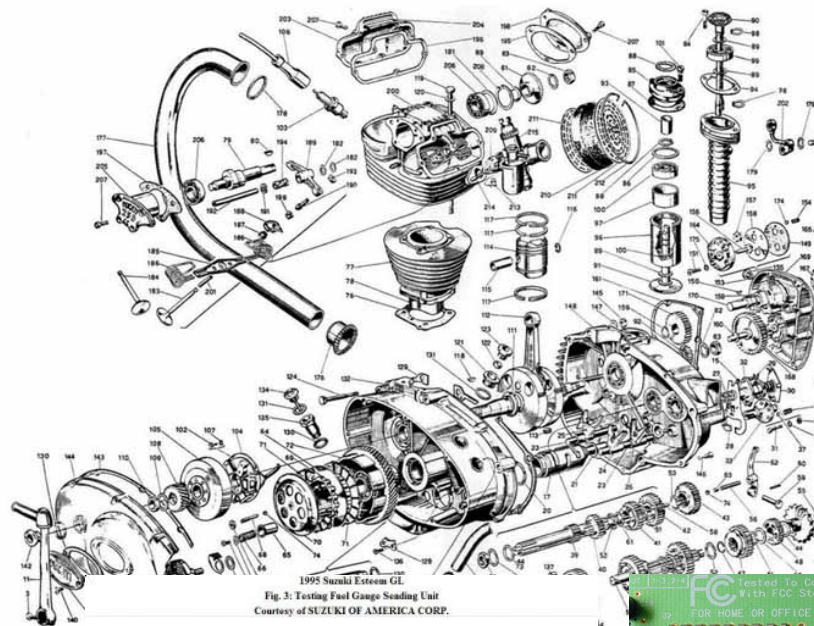
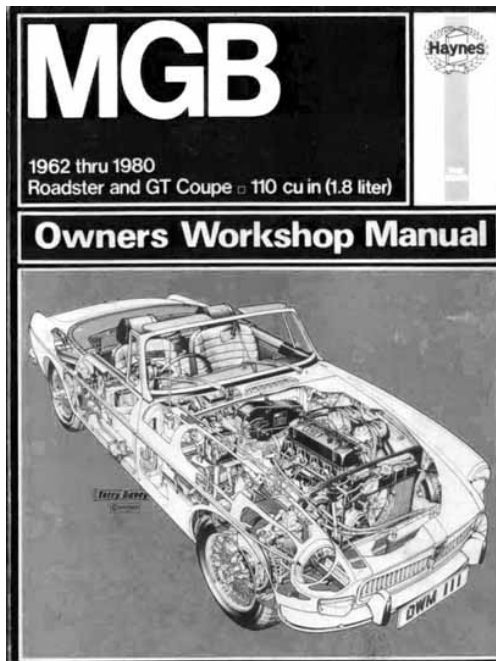
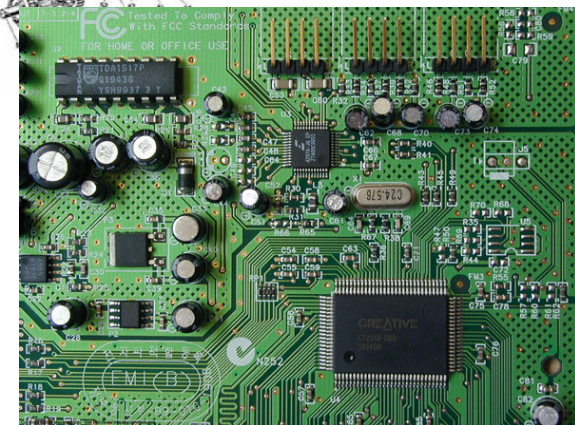
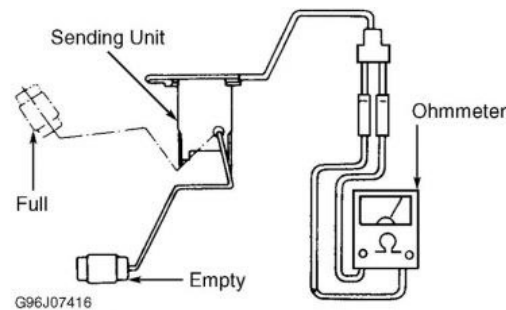
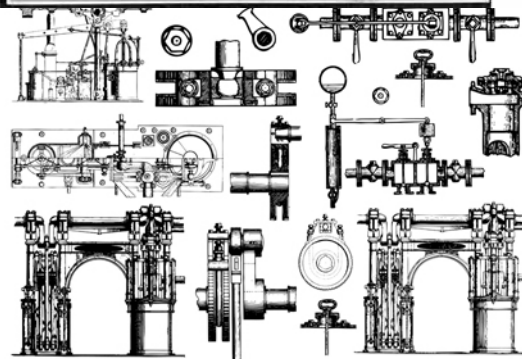


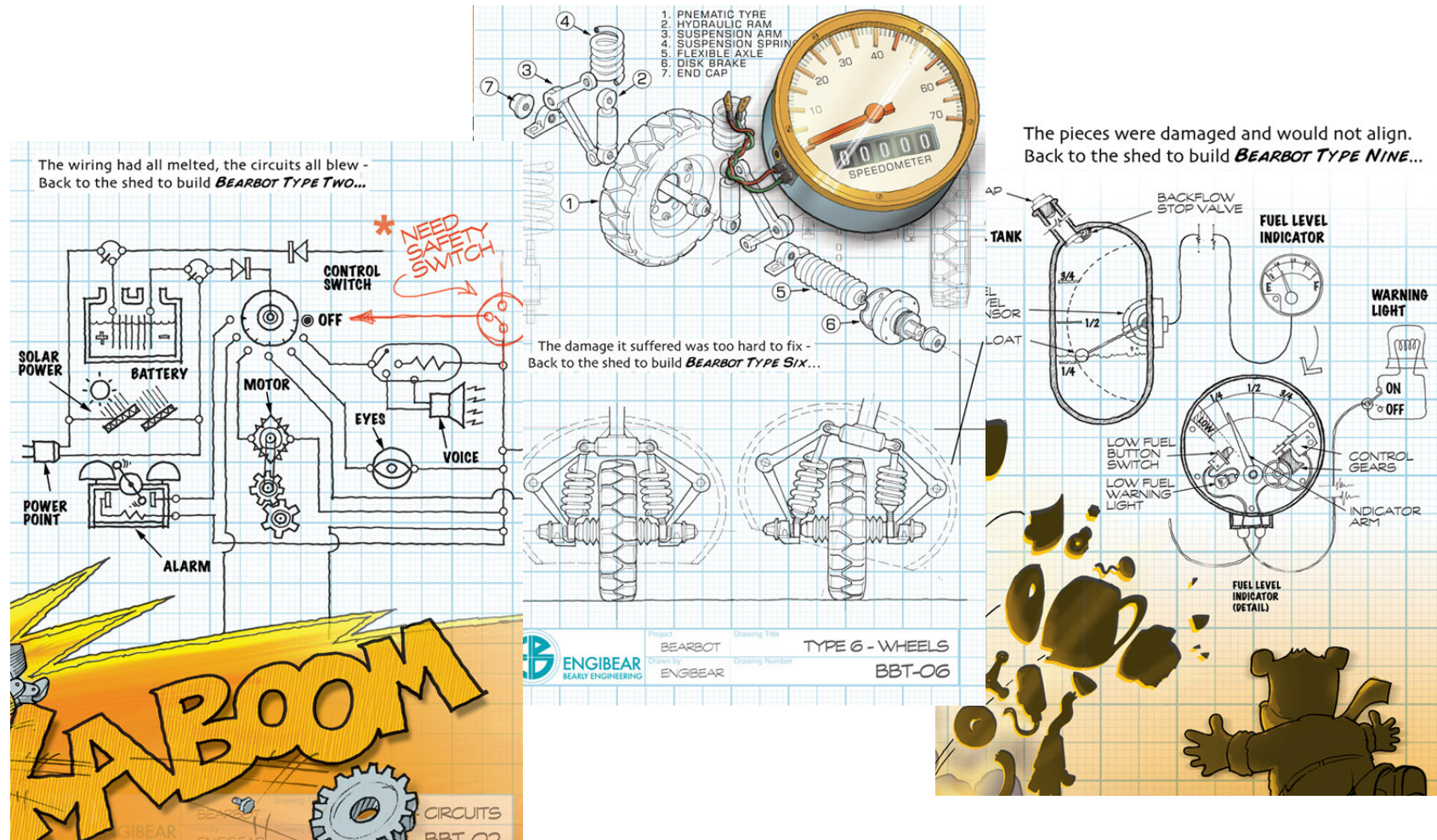
Fig. 3: Testing Fuel Gauge Sending Unit
Courtesy of SUZUKI OF AMERICA CORP.



INSPIRATION AND RESEARCH - TECHNICAL INFO



Project	Drawing Title
Drawn by	Drawing Number



INSPIRATION AND RESEARCH - TECHNICAL INFO



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number



INSPIRATION AND RESEARCH - ROBOTS

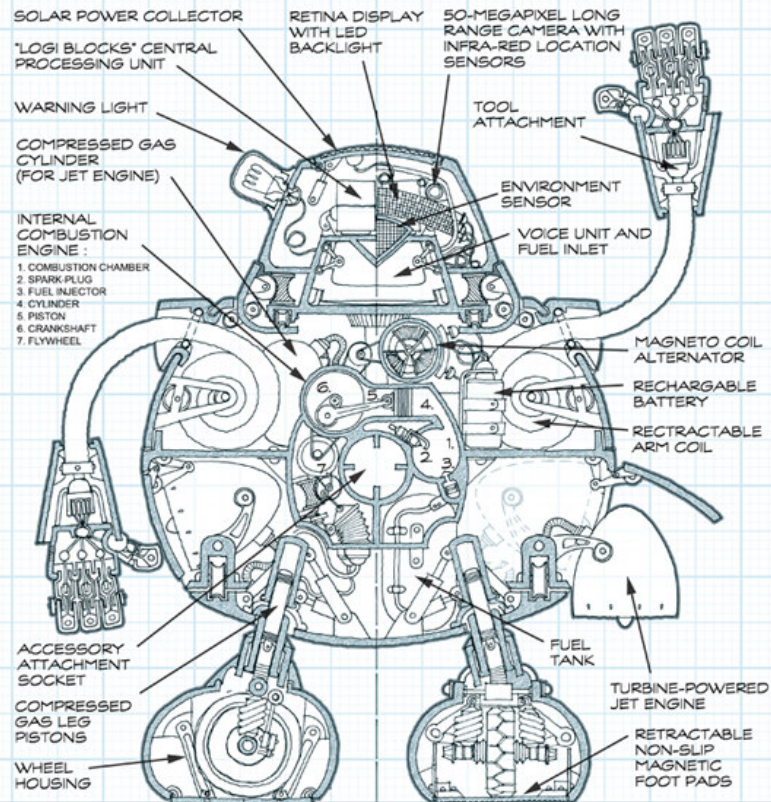


ENGIBEAR
BEARLY ENGINEERING


Project	Drawing Title
Drawn by	Drawing Number

9 BEARBOT TYPE NINE SPECIFICATIONS

FUEL LEVEL INDICATOR ADDED 



10 BEARBOT TYPE TEN SPECIFICATIONS

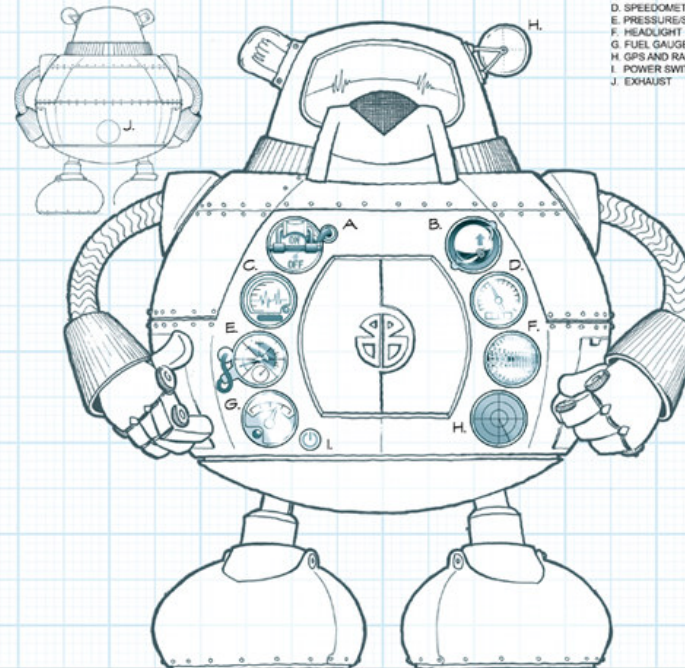
NAVIGATION SYSTEM ADDED 

GENERAL SPECIFICATIONS:

- HEIGHT : 1.4 m (55")
- WIDTH : 1.0 m (39")
- MASS : 110 kg (240 lb)
- MAX. LIFTING CAPACITY : 400 kg (880 lb)
- MAX. SPEED ON LAND : 100 km/hr (60 m/hr)
- MAX. SPEED IN AIR : 300 km/hr (190 m/hr)
- WATERPROOF TO A DEPTH OF : 200 m (650 feet)
- BATTERY LIFE : 96 hrs
- FUEL TANK CAPACITY : 25 L (6.6 gal)
- COMPRESSED GAS CAPACITY : 20 L (5.3 gal)

TECHNICAL SPECIFICATIONS:

- DATA STORAGE : 500 TB
- CONNECTIVITY : Wi-Fi + GOLDTOOTH
- OPERATING SYSTEM : OS BBOT 10.0
- LANGUAGES : ENGLISH, GERMAN, FORTRANSLATE, BEAR SOLAR, LPG, PORRIDGE GOLDLOCKS + 3B
- FUEL INPUTS :
- FAVOURITE STORY :
- SENSORS/CONTROLS :
 - A. SAFETY OVERRIDE
 - B. GYROSCOPE
 - C. CPU CAPACITY DISPLAY
 - D. SPEEDOMETER
 - E. PRESSURE/STRAIN GAUGE
 - F. HEADLIGHT
 - G. FUEL GAUGE
 - H. GPS AND RADAR
 - I. POWER SWITCH
 - J. EXHAUST

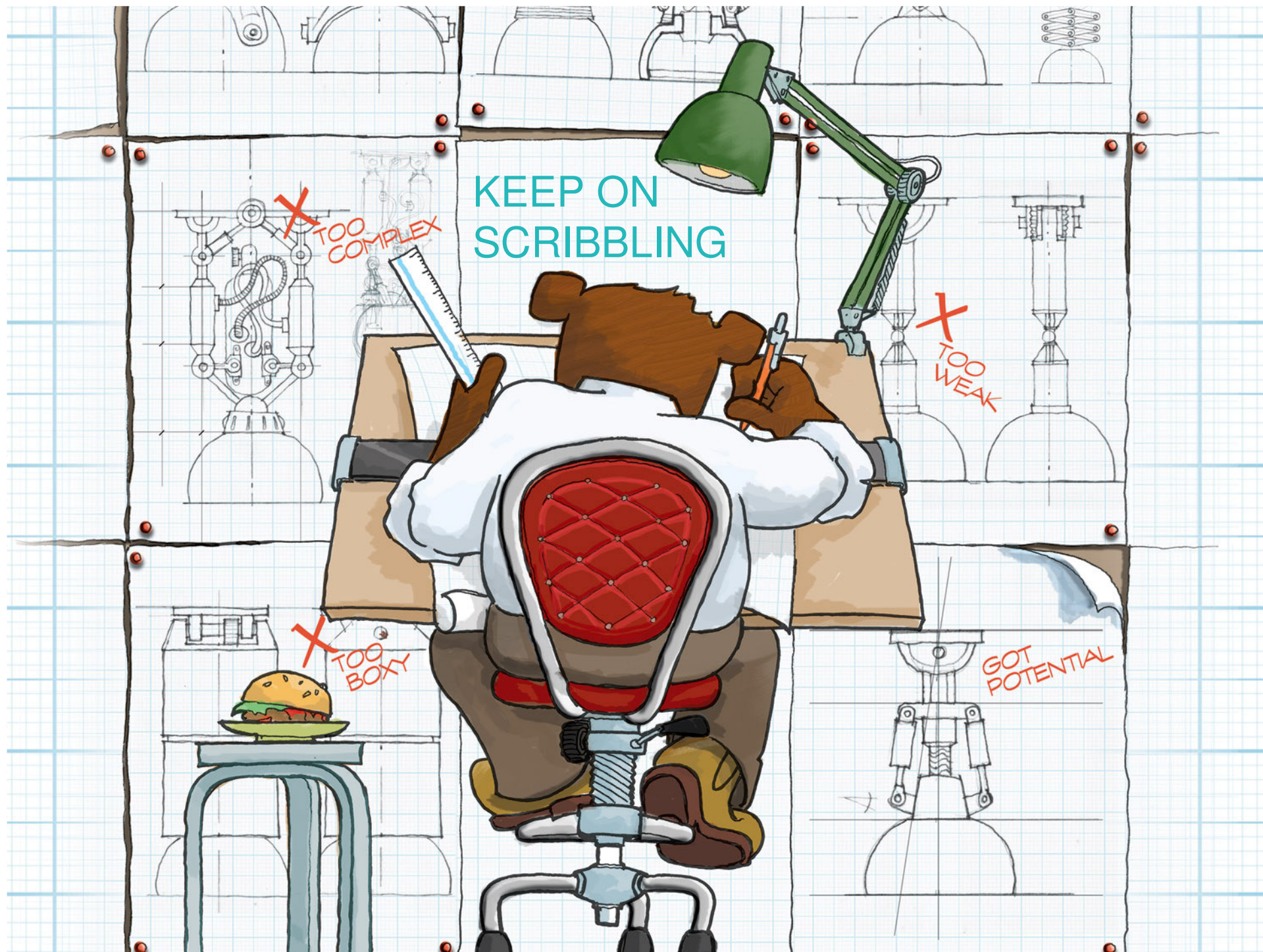


INSPIRATION AND RESEARCH - TECHNICAL INFO



ENGIBEAR
BEARLY ENGINEERING

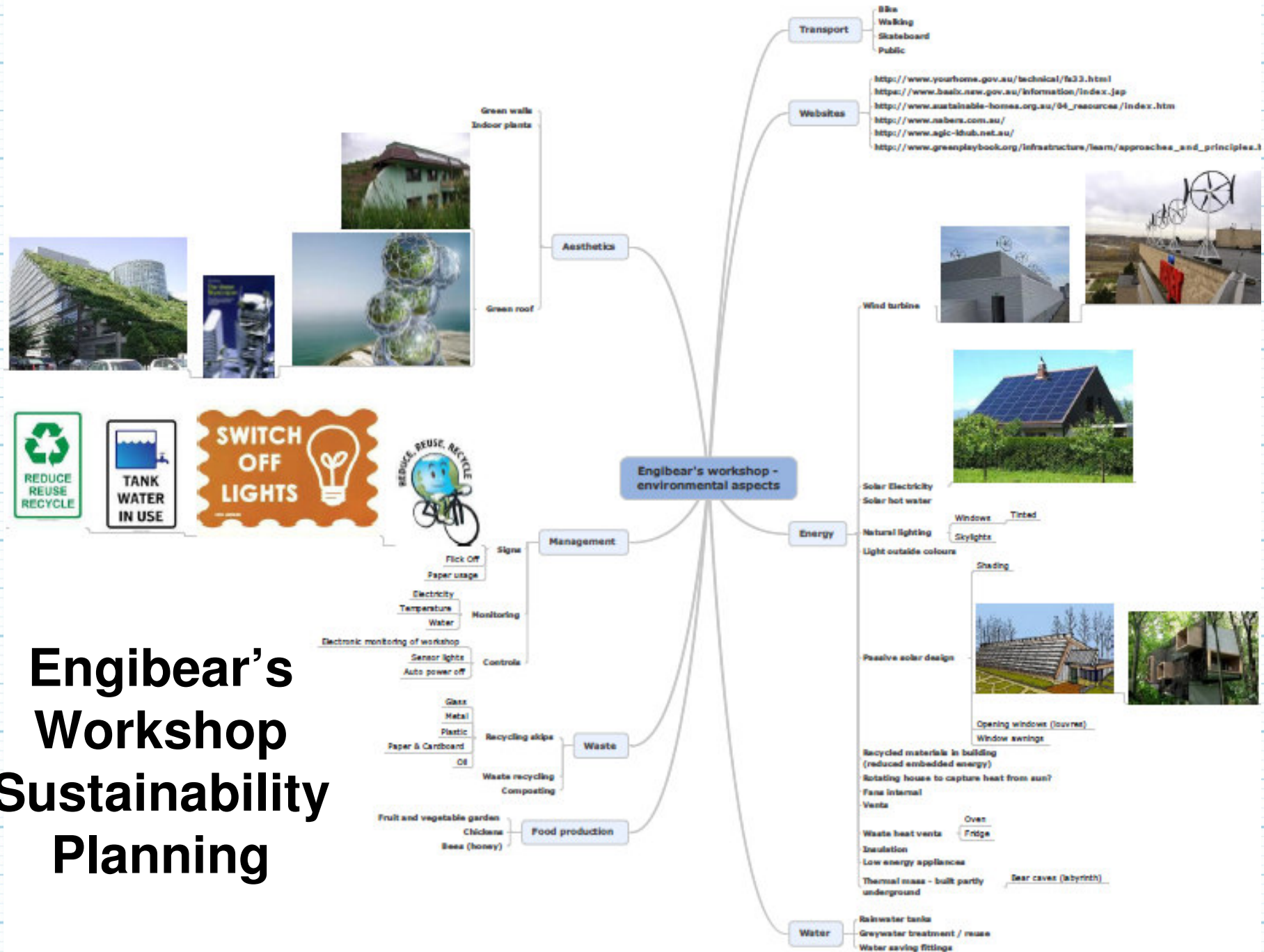
Project	Drawing Title
Drawn by	Drawing Number





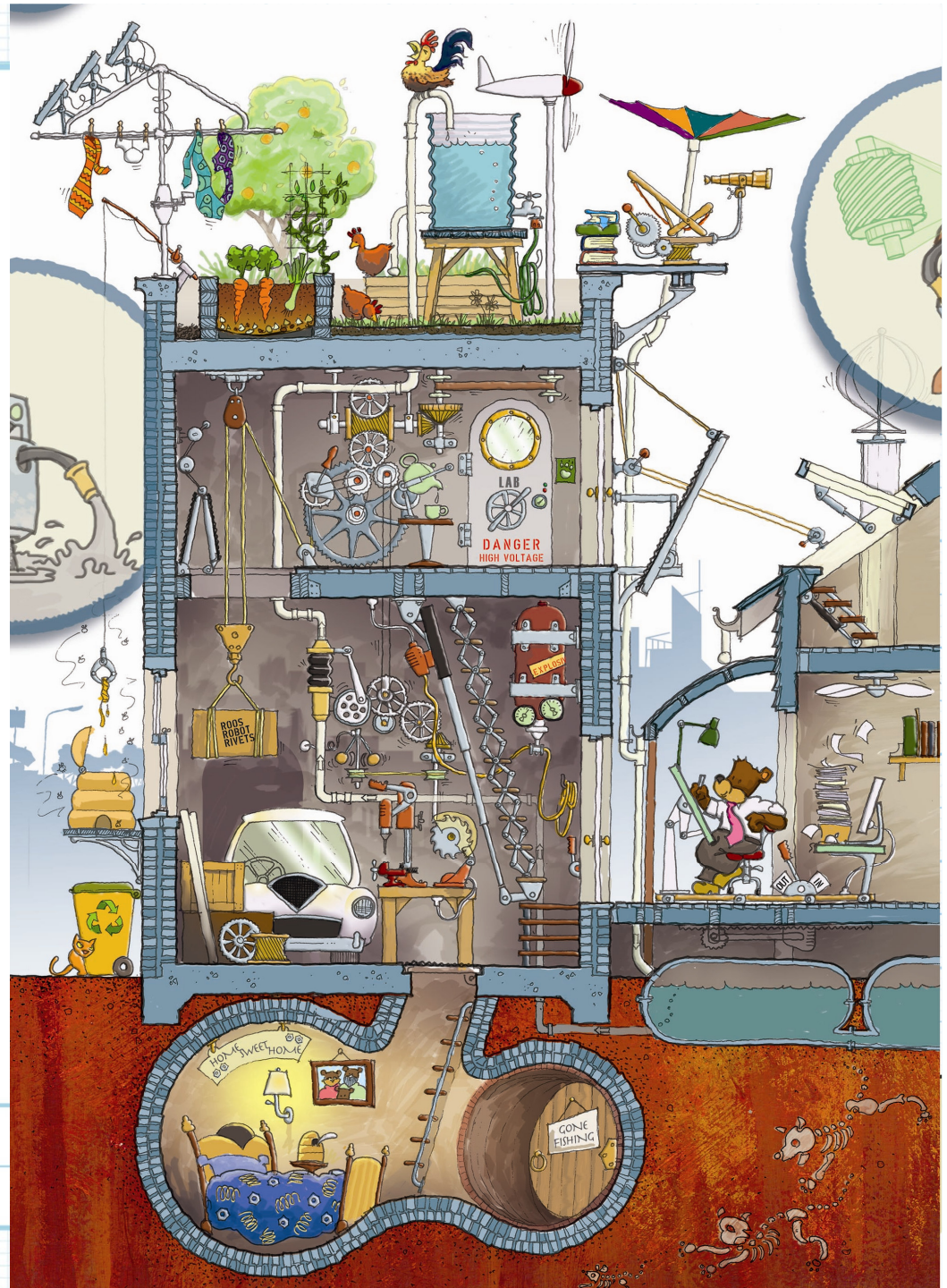
Munnagong – Sustainability Aspects

Engibear's Workshop Sustainability Planning



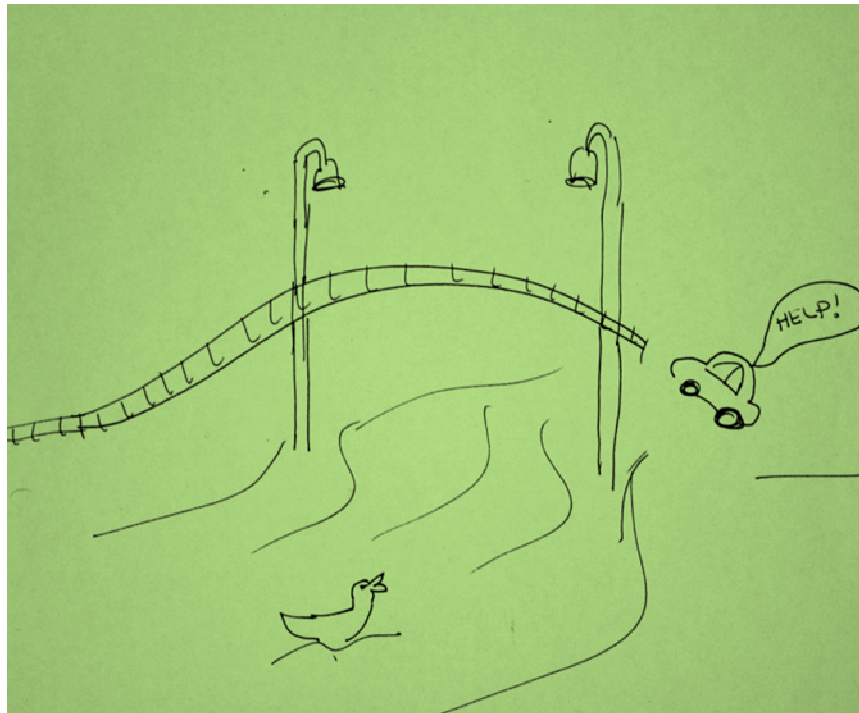
Engibear's Workshop Sustainability Aspects

- Wind power
- Solar power
- Water harvesting
- Rooftop garden
- Chickens & bees
- Recycling
- Passive cooling
- Electric ute!



Next book - Engibear's Bridge?

There is a lot to consider when building a bridge
Like how high and what colour
How long and what width.
But the most important thing Engibear's found
is to make sure both ends are touching the ground.



ENGIBEAR
BEARLY ENGINEERING

Project	Drawing Title
Drawn by	Drawing Number