# January 2022

## JSA @ the Central Coast Marine Discovery Centre, Terrigal

<table>
<thead>
<tr>
<th>Monday 3rd</th>
<th>Tuesday 4th</th>
<th>Wednesday 5th</th>
<th>Thursday 6th</th>
<th>Friday 7th</th>
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<tbody>
<tr>
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<td>--</td>
<td>Minibeasts,</td>
<td>Eco</td>
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<td>K-2</td>
<td>Warriors, K-2</td>
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<td>Zippy Balloons, 3-5</td>
<td>Building Old Town Road, 3-4</td>
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### Week 1

**Eco Warriors**
- Years K-2
  - Learn about our oceans and how they keep our planet healthy
  - Classifying Plastic - How long does it take to break down?
  - Mini Worm Farm - Learn about composters and create one to take home
  - Make your own Zero Waste products that you can take home!
  - Create your own art from items that typically end up in our oceans

**Building Old Town Road**
- Years 3-4
  - Develop your engineering skills as you construct your own mini city
  - Learn about shapes and 3D objects and how to create them
  - Construct buildings using Make Do tool kits and LOTS of cardboard
  - Use your new skills and tools to create a huge geodesic dome
  - Take home the favourite building you made

**Minibeasts**
- Years K-2
  - What is a minibeast?
  - Life as a worm - Make your own using a chemical reaction
  - Learn how important bees are to our ecosystems
  - Minibeast safari and minibeast hotel
  - Make your own minibeast!

**Zippy Balloons**
- Years 3-5
  - Balloon Explosions - Test how long the balloons can last
  - Make a hovercraft and race your classmates to fly the furthest
  - 3, 2, 1 ... Blast off - Create rockets with chemical reactions
  - See the impact of salt on ice by making ice-cream (non-dairy options)
  - Create a chemical reaction in your mouth! - Making sherbet

Classes in **BLUE** text are eligible for Creative Kids vouchers.
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**JSA @ the Central Coast Marine Discovery Centre, Terrigal**

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<tr>
<th>Week 2</th>
<th>Monday 10th</th>
<th>Tuesday 11th</th>
<th>Wednesday 12th</th>
<th>Thursday 13th</th>
<th>Friday 14th</th>
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<tbody>
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<td>--</td>
<td>Slick Science, 1-3</td>
<td>Earth Explorers, K-1</td>
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<td>Special Effects, 4-6</td>
<td>Human Circulatory Systems, 2-4</td>
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**Earth Explorers**

*Years K-1*

- Deep inside the Earth - Make your own model of the Earth's layers
- Volcanic eruptions!
- The wonders of rocks on Earth
- Make your own Martian sand to take home!
- Touch and observe ancient fossils - What can they tell us about the past?

**Human Circulatory Systems**

*Years 2-4*

- Make a heart, a lung and blood
- Model the circulation of blood around the body
- Sheep heart and lung dissection
- What can you see in a chest x-ray?
- Experiment - What gets our heart pumping the most?

**Slick Science**

*Years 1-3*

- Make Butter - Learn what butter is and how to make it
- Environmental Protector - Clean up an oil spill
- Walking on Water - Predict and test buoyancy and displacement
- Salty eggs - Test what makes your egg sink or float
- Make a lava lamp

**Special Effects**

*Years 4-6*

- Make spooky potions that change colour
- Make and use invisible inks
- Learn about the brain in a sheep's brain dissection
- Spread the zombie virus
- Make fake blood and create fake wounds
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## Week 3

<table>
<thead>
<tr>
<th>Monday 17th</th>
<th>Tuesday 18th</th>
<th>Wednesday 19th</th>
<th>Thursday 20th</th>
<th>Friday 21st</th>
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<td><strong>WeDo Beginners, 1-2</strong></td>
<td><strong>Funky Physics, K-1</strong></td>
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<td><strong>Take to the Skies, 4-6</strong></td>
<td><strong>WeDo Dino Discovery, 2-4</strong></td>
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**WeDo Beginners**
- Years 1-2
- This is the first class in our We Do Robotics Series
- Solve real-life problems using robotics!
- Use Lego Education WeDo 2.0 sets to build and code your own robots
- Build a spy robot and design & create a slithery snake
- Challenge yourself by building a satellite that can turn & change direction

**Funky Physics**
- Years K-1
- Making catapults - Who can launch a marshmallow the furthest?
- Balancing act - Design your own balance toy
- Newton’s first Law of Physics - Using eggs!
- Explosions - What is the force behind them?
- Exploring fair tests with paper helicopters

**Take to the Skies**
- Years 4-6
- Make the best paper plane – Try famous designs then make your own!
- How are birds able to fly?
- Learn about seeds that fly then create your own
- Make your own flying toy!
- How heavy is air? - Explore air resistance and pressure to break objects

**WeDo Dino Discovery**
- Years 2-4
- Explore the world of Palaeontology
- Look at fossils from millions of years ago
- Bring ancient organisms to life with the WeDo 2.0 Lego Kits
- Experiment with movement and sound to replicate the predicted behaviour of extinct dinosaurs

*Before taking this class children would benefit from completing another WeDo class*

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