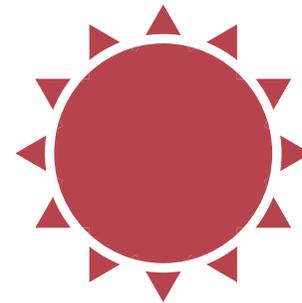


SUMMER JOURNEY OF GROWTH



OPTIONAL SUMMER PROJECT TASKS

- Complete a task from **four** different subjects for a **bronze** award!
- Complete a task from **six** different subjects for a **silver** award!
- Complete a task from **ten** different subjects for a **gold** award!

Email evidence of your completed tasks to growth@brockington.leics.sch.uk by Friday 21 August.



Maths

OPTION 1

A sequence starts with the numbers 1, 2, 4, ... How many different ways can you think of, that the sequence could grow from there? What would the rule for your sequence be? What would the next three numbers be? Be creative and try and think of at least five different sequences and rules!

OPTION 2

Pick a fraction to start with. Add 1 to the numerator and 1 to the denominator. By how much has the fraction grown? Keep adding 1 to both the numerator and denominator? Does it grow by the same amount? Do you notice anything? Try it for different starting fractions. For example, if I start with $\frac{1}{2}$ and add 1 to both the numerator and denominator, I get $\frac{2}{3}$, and $\frac{2}{3} - \frac{1}{2} = \frac{1}{6}$ so the fraction has grown by $\frac{1}{6}$.

OPTION 1
Have a go at planting a seed and watching it grow. There are so many varieties of plants or vegetables that you could try. This **time lapse video** shows what happens as your seed grows. Can you name all the parts of the plant?

OPTION 2
As our world continues to grow, we can no longer rely on fossil fuels to fulfil our energy requirements. Research the alternative sources of energy such as solar power, wind power, geothermal sources, biofuels and evaluate the advantages and disadvantages of each.



Science



English

OPTION 1

Take the opportunity to read the autobiography of someone that fascinates you. Learn about their life and the challenges they may have faced to succeed. What are the key messages that you learn from the read?

OPTION 2

Research the phrase 'growth mindset'. Compose a persuasive letter to encourage a friend to adopt more of a growth mindset when faced with a particular problem.



RS

OPTION 1

Often, helping others can help us grow as a person. Read the story of 'The Good Samaritan'. Make a diary of the times that you help someone, no matter how small a gesture it may be. What is the meaning of a parable? Can you create your own parable that covers any positive message?

OPTION 2

Some people believe that God created the Earth, others believe that it started as a result of 'The Big Bang'. Debate this with a member of your family or a friend. If you both have the same view, try and think of arguments for the opposing view.



MFL

OPTION 1

Time to grow your vocabulary. Pick a language that you would be interested to learn or like the sound of. Learn three new key words each day over the summer.

OPTION 2

At Brockington you learn to communicate in French or Spanish. Find out about the culture of one of these countries. Would you like to live there when you are older? Can you explain why?

OPTION 1
Do you already know which job you want to have in the future? Make a list of the jobs that people have now that you don't think will exist in 20 years' time, and then a list of jobs that will exist in the future, but don't yet.

OPTION 2
Are self-driving cars the future? Debate the pros and cons of this advance in technology.

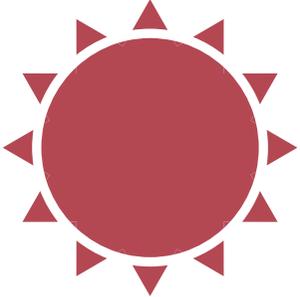


ICT



Brockington College

SUMMER JOURNEY OF GROWTH



OPTIONAL SUMMER PROJECT TASKS

- Complete a task from **four** different subjects for a **bronze** award!
- Complete a task from **six** different subjects for a **silver** award!
- Complete a task from **ten** different subjects for a **gold** award!

Email evidence of your completed tasks to growth@brockington.leics.sch.uk by Friday 21 August.



Geography

OPTION 1
What is your local area lacking? Design a tourist attraction that you think would be popular. How and why would it make the area grow? Think of negatives as well as positives, such as financial implications, the creation of jobs, engagement of different ages and pollution.

OPTION 2
Geography involves making observations and finding answers. If you are able to, visit a local park. Look at how humans are impacting the environment. Think about how the park could be improved, both for people and wildlife. Design a plan of your improvements.

OPTION 1

Create a route from home of a known distance, maybe 2km or 5km. Now either walk, run or cycle the route whilst timing yourself. Can you beat your time as your fitness grows?

OPTION 2

Design a circuit of activities that includes exercises for strength and stamina. There are so many you can do that don't require any equipment. Grow your resilience, and that of your family, as you get better each day.



PE



D&T

OPTION 1
Once activated, yeast releases carbon dioxide that causes bread to rise. Have a go at making your own loaf. You could even try some pizza dough!

OPTION 2
Construct a minibeast hotel or a bird box to provide a space for growth. There are plenty of examples online to give you some inspiration.



History

OPTION 1
Draw your family tree. Go back as far as you can by talking to family members. This would also be a great opportunity to quiz older generations about how things have changed since they were your age.

OPTION 2
Watch a film that is set in a different time period. (Remember it must be age appropriate). Make a list of how have things changed now? You could comment on language, costume, mannerisms, everyday objects and much more.



Art

OPTION 1
Dig out some old photographs of yourself over the years. Now put them together to produce a time lapse video or collage of your growth.

OPTION 2
Investigate some repeat patterns and create a growing pattern of your own.

OPTION 1
Spend some time listening to music from a different decade or an alternative genre to that you would normally choose. Do you like it? Has this made you more willing to grow your repertoire of music to listen to?

OPTION 2
Write a monologue about your life so far. Record yourself, it will be interesting to listen to in the future.



Performing Arts

