**Context:**

**Dr. Neil deGrasse Tyson is an astrophysicist whose scientific research includes star formation, exploding stars, dwarf galaxies, and the structure of our Milky Way. He is the Director of the Hayden Planetarium.**

**Instructions:**

* **The selection will be played twice.**
* **You must answer all of the questions that follow.**

***Section A: Selected Response Questions*. (1 mark each).**

1. **What is Dr. Tyson’s tone in this piece?**
2. **Apathetic**
3. **Detached**
4. **Enraged**
5. **Sincere**
6. **Dr. Tyson says “everything is a don’t.” This is an example of**
   1. **Literal meaning**
   2. **Metaphor**
   3. **Simile**
   4. **Understatement**
7. **According to Tyson, curiosity in children is:**
   1. **Atypical**
   2. **Gory**
   3. **Sporadic**
   4. **Universal**
8. **Of the following, when is the best time to look at the moon with binoculars?**
   1. **When it is arched**
   2. **When it is crescent**
   3. **When it is day**
   4. **When it is full**

***Section B: Constructed Response Questions*. (6 marks).**

1. **Use two specific references to explain the theme of “Give Your Kids Binoculars and Get Out of the Way.”**

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**TEACHER MATERIALS AND KEY**

***LINK:***

[***http://bigthink.com/videos/give-your-kids-binoculars-and-get-out-of-the-way***](http://bigthink.com/videos/give-your-kids-binoculars-and-get-out-of-the-way)

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***Section B: Constructed Response Questions. (6 marks).***

1. ***Scoring Rubric:***

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| --- | --- | --- | --- |
| ***Theme Statement*** | ***Proof 1*** | ***Proof 2*** | ***Explanation*** |
| ***\_\_\_\_\_\_/ 1*** | ***\_\_\_\_\_\_/ 1*** | ***\_\_\_\_\_\_/ 1*** | ***\_\_\_\_\_\_/ 3*** |

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***Dr. Neil deGrasse Tyson is an astrophysicist whose scientific research includes star formation, exploding stars, dwarf galaxies, and the structure of our Milky Way. He is the Director of the Hayden Planetarium.***

***Transcript:***

***Neil deGrasse Tyson: I'm often asked by parents what advice can I give them to help get kids interested in science? And I have only one bit of advice. Get out of their way. Kids are born curious. Period. I don’t care about your economic background. I don’t care what town you’re born in, what city, what country. If you’re a child, you are curious about your environment. You’re overturning rocks. You’re plucking leaves off of trees and petals off of flowers, looking inside, and you’re doing things that create disorder in the lives of the adults around you.***

***And so then so what do adults do? They say, “Don’t pluck the petals off the flowers. I just spent money on that. Don’t play with the egg. It might break. Don’t....”  Everything is a don’t. We spend the first year teaching them to walk and talk and the rest of their lives telling them to shut up and sit down.***

***So you get out of their way. And you know what you do? You put things in their midst that help them explore. Help ‘em explore. Why don’t you get a pair of binoculars, just leave it there one day? Watch ‘em pick it up. And watch ‘em look around. They’ll do all kinds of things with it.***

***For me at age 11, I had a pair of binoculars and looked up to the moon, and the moon wasn’t just bigger, it was better. There were mountains and valleys and craters and shadows. And it came alive. Not the full moon because there are no shadows cast when the moon is full; got to wait for it to be half moon or crescent moon, and look at the edge between light and dark with a simple pair of binoculars.***

***I was transformed by picking up a pair of binoculars and looking up, and that’s hard to do for a city kid because when you look up you just see buildings -- and really your first thought is to look in people’s windows. So to look out of the space -- out of living space -- and look up to the sky, binoculars go far, literally and figuratively. That’s what got me started on the universe. It might get some kids you know started the same way.***

***Directed / Produced by***

***Jonathan Fowler & Elizabeth Rodd***