

HONG KONG EXAMINATIONS AND ASSESSMENT AUTHORITY
HONG KONG DIPLOMA OF SECONDARY EDUCATION EXAMINATION 2020

ENGLISH LANGUAGE PAPER 3

PART B2

DATA FILE

GENERAL INSTRUCTIONS

- (1) Refer to the General Instructions on Page 1 of the Question-Answer Book for Part A.

INSTRUCTIONS FOR PART B2

- (1) The Question-Answer Book for Part B2 is inserted into this Data File.
- (2) For Part B, attempt **EITHER** those tasks in Part B1 (Tasks 5 – 7) **OR** those in Part B2 (Tasks 8 – 10).
- (3) You are advised to use a pen for Part B.
- (4) The Data Files will **NOT** be collected at the end of the examination. Do **NOT** write your answers in the Data Files.
- (5) Hand in only **ONE** Question-Answer Book for Part B, either B1 or B2, and tie it with the Question-Answer Book for Part A.

Not to be taken away before the
end of the examination session

Part B

Situation

You are Nico Lin. You work for Star Pod, an organisation that promotes space exploration and runs adventure camps for children. You are an assistant to the director of Star Pod, Ms Ellen Ochoa. Ms Ochoa has asked you to do some tasks.

You will listen to a recording of a Star Pod podcast in which Ellen Ochoa speaks to Captain Trillion Choi and Professor Marvin Adams. Take notes under the appropriate headings.

Before the recording is played, you will have five minutes to study the Question-Answer Book and the Data File to familiarise yourself with the situation and the tasks.

Complete the tasks by following the instructions in the Question-Answer Book and on the recording. You will find all the information you need in the Question-Answer Book, the Data File and on the recording. As you listen you can make notes on Page 3 of the Data File.

You now have five minutes to familiarise yourself with the Question-Answer Book and the Data File.

Contents

	Page
1. Listening note-taking sheet for the Star Pod podcast.....	3
2. Email from Ellen Ochoa to Nico Lin	4
3. Minutes of Management Committee meeting.....	5
4. Planet Tarkov Problem-Solving Activity PowerPoint slide from last year.....	6
5. Standard Medical Examination Form	6
6. Instructors' feedback from last year's Planet Tarkov Problem-Solving Activity	7
7. Letter from Locae Foundation	8
8. Multi-Axis Trainer (M.A.T.) Engineering Assessment by Scotty Wong	9
9. Star Pod Website.....	10
10. Space Capsule Transport Feasibility Assessment by Scotty Wong	11

Listening note-taking sheet for the Star Pod podcast

Listen to the recording of the Star Pod podcast in which Ellen Ochoa speaks to Captain Trillion Choi and Professor Marvin Adams.

Dangers of Mars:

- Oxygen:
- Temperature:
- Dust storms:

Tarkov:

Star Pod Adventure Camp:

Open Day:

Email from Ellen Ochoa to Nico Lin

File		Message					
 Junk	 Delete	 Reply	 Reply All	 Forward	 Move ▼	 Mark Unread ▼	 Follow up ▼
To: Nico Lin				Sent: Fri 3 April 2020 9:02AM			
From: Ellen Ochoa							
Subject: Things to do							
<p>Hello Nico</p> <p>I need you to be a real hero this week 😊</p> <p>First, I need you to write a script for an introductory video explaining the Planet Tarkov Problem-Solving Activity to the children as was decided in the latest Management Committee meeting. You can start by looking at the minutes of the meeting. Also listen to what Professor Marvin Adams said on the podcast. Don't forget to make the script lively and exciting.</p> <p>Once you've done that, please write a report about the incident on the M.A.T. for me to send to the Management Committee. In the report, you need to explain what happened to the girl involved, the conclusions reached by the doctor and explanations for the M.A.T.'s failure given by the engineer. At the end of the report, present the recommendations that have been agreed on. You can start by looking at the minutes of the latest Management Committee meeting.</p> <p>Finally, I would like you to write a refusal to a request made by the Locae Foundation charity. Remember to explain why. Start by looking at the letter they sent us. Please show sensitivity in your response and offer what we can to support this wonderful charity. We made some decisions regarding this in the Management Committee meeting earlier this week.</p> <p>Your countdown for getting these done starts now! Ten, nine, eight...</p> <p>Ellen</p>							

Minutes of Management Committee meeting

Date: 30th March 2020, 3:00 PM

Venue: Meeting Room 101



In attendance:

- Ms Ellen Ochoa – Director of Star Pod
- Ms Sunita Chawla – Senior Instructor and Course Organiser
- Mr Scotty Wong – Engineer and head of technical support
- Mr Bowie Ma – Manager of Star Pod Adventure Camp

1. Tarkov Problem-Solving Activity

Ms Chawla reminded the committee that it had been decided to replace the PowerPoint slides used to introduce the Planet Tarkov Problem-Solving Activity with a video. Ms Chawla drew the committee's attention to the feedback provided by last year's instructors, in which they made suggestions for improving the Planet Tarkov Problem-Solving Activity. Ms Chawla added that she herself had made comments on the suggestions.

Ms Ochoa agreed with Ms Chawla's comments and said that she would tell Nico to write the script of the video and to make the appropriate changes based on the instructors' feedback and Ms Chawla's comments.

2. M.A.T. Incident

Mr Wong presented the findings from his Multi-Axis Trainer (M.A.T.) Engineering Assessment. Ms Ochoa added that she would like to make one further recommendation: to cut back the branches of the trees above the M.A.T. building. She also asked Mr Wong to clarify how the roof would be sealed. Mr Wong agreed with Ms Ochoa's additional recommendation and confirmed that a silicon sealant would be used.

3. Request from Locae Foundation

Ms Ochoa referred the committee to the letter received from the Locae Foundation. Mr Wong presented his Space Capsule Transport Feasibility Assessment.

Ms Ochoa agreed with the conclusions in Mr Wong's assessment. Speaking confidentially, given our company's dire financial situation, Ms Ochoa suggested that we needed to spend the money more wisely rather than on wasting money moving the capsule just to help a charity.

Ms Chawla said that in order not to seem like we are being cruel to a charity, they could be invited as VIPs to Star Pod's Open Day. We should point out that it coincides with one of the days they requested. They could join the Open Day and meet the special guest at no extra expense to us. Ms Chawla said that as a special favour we could also give them 'exclusive access' to the Space Capsule and the M.A.T.

Mr Wong noted that the M.A.T. would still be under repair and so not accessible. Ms Ochoa agreed that the Space Capsule only could be made available.

Planet Tarkov Problem-Solving Activity PowerPoint slide from last year

Planet Tarkov Problem-Solving Activity

Background:

- You are crew on colony spaceship heading to LV-426
- Colony spaceship hit by comet
Stop at Tarkov for repairs
- Repairs will take 1 x year
- You arrive in Spring on Tarkov

Extreme seasons on Planet Tarkov:

- Summer
- Winter

Grouping and Timing:

- 10 people per group
- 30 mins discuss, 3 mins present ideas to everyone



Standard Medical Examination Form

Standard Medical Examination Form

Patient's Name: Ms Rey Liu

Age: 11

Doctor: Dr Xixi Yang

Date: 26th March 2020



Description:

The patient arrived in my office at 10:15 am complaining of a severe headache. See transcript below.

“Can you tell me if you have any discomfort?”

“Yes, doctor. My head. It really hurts.”

“I see. A headache, yes?”

“Yes, doctor.”

“And what would you say caused this?”

“Being stuck in that machine. The M.A.T.. It was horrible. Stuck like that.”

“Like what?”

“You know, upside down.”

“How long were you like that then?”

“About thirty seconds.”

Conclusions:

As a precautionary measure, I called her parents and then I took her to Waglan Memorial Hospital, where no issues regarding her health were observed.

Instructors' feedback from last year's Planet Tarkov Problem-Solving Activity

Instructors' feedback	Sunita Chawla's Comments
<p>Instructor 1 "Please, please, please can we simplify the situation? Rather than all that complicated stuff about heading to a new colony on LV-426 and being hit by a comet, let's just start by telling them they crashed on Tarkov. Also make the objective of the activity much much clearer. So, forget about the repairs. It would be much better, in my opinion, if they needed to survive for a year until they were rescued."</p>	<p>These all seem sensible. I would agree to adopt all of these.</p>
<p>Instructor 2 "Fun to teach and most kids enjoyed it, but TBH there were a lot of kids not doing anything. We have to reduce the group size down from ten – I'd say to 5 – and give the children more than just 30 mins. to solve the problem. How about 2 hours overall – one hour to solve the problem, one hour for the groups to present to the other groups? I would also say that we should increase the amount of Physics. Make it like a real Science class so that the kids can learn something useful instead of just chatting."</p>	<p>Agree to adopt her suggestions regarding group size and time. Totally disagree with the point about Science. This is NOT school.</p>
<p>Instructor 3 "Went well more or less. But could you make a 3D model of Tarkov and the spaceship so that kids can see it? I like the fact that they arrive on Tarkov in spring – this makes good sense, since it would give the crew time to actually do something before the weather turns extreme. I found a lot of interesting stuff on Tarkov and the science behind why the weather is so extreme on the NASA webpage. It really is fascinating. I think it would be good to add to the introduction."</p>	<p>The 3D model is a good idea but we have no budget. So no. And, again, no, I do <u>not</u> want to turn this into a Science class.</p>
<p>Instructor 4 "Need to get across just how extreme summer and winter on Tarkov are. Some kids don't know how hot it is. One group even thought that all they would need is more shorts and T-shirts in Tarkov's summer!!! Surely, we can add some exciting facts about the winter and summer."</p>	<p>Yes, agree. We can ask the astronomer Marvin Adams. He knows lots of amazing stuff about Tarkov.</p>

Letter from Locae Foundation

Locae Foundation

~Making young lives matter~

26 March 2020

Upper Wong Tai Sin Estate II
Industry House
204 Ching Tak Street
Chuk Un

Dear Sir/Madam

Since 1993, the Locae Foundation has been helping underprivileged children have life-building experiences that develop the confidence they need to fulfill their dreams and become productive members of our future society. Many of our children have gone on to become doctors, engineers and scientists. As one of our alumni, now a research chemist put it:

“The Locae Foundation gave me hope and the drive to work on my talents and achieve my ambitions.”

As part of our programme, we bring children to our Stone Dragon Facilities where they engage in activities around an inspiring theme. This year, our theme is space exploration, a subject in which you at Star Pod are the leaders in Asia. That is why we are reaching out to you to make a special request.

I recently visited your website and was deeply impressed with your replica of the Space Capsule. We would most humbly request to borrow the capsule and in doing so give our children an experience they will treasure for the rest of their lives.

Were you to kindly accept our request, would the following details be acceptable to you?

- We would like to borrow the capsule from 23rd to 27th of April
- Children would play inside and outside the capsule under close supervision.

Thank you for considering our request and we look forward to joining you in making the lives of our children richer and happier.

Yours faithfully

Denise Leung
Director of Locae Foundation

Multi-Axis Trainer (M.A.T.) Engineering Assessment by Scotty Wong

Engineering Assessment



Machine / Component: Multi-Axis Trainer
Fault / Problem: Motor failure
Date/ time of incident: 9:45 AM Thurs 26 March 2020
Supporting Diagrams:

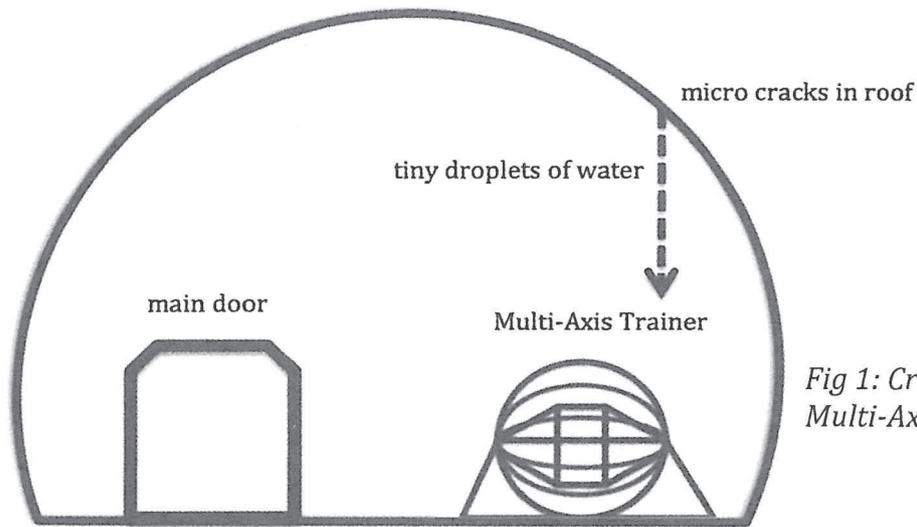


Fig 1: Cross Section View of Multi-Axis Trainer Building

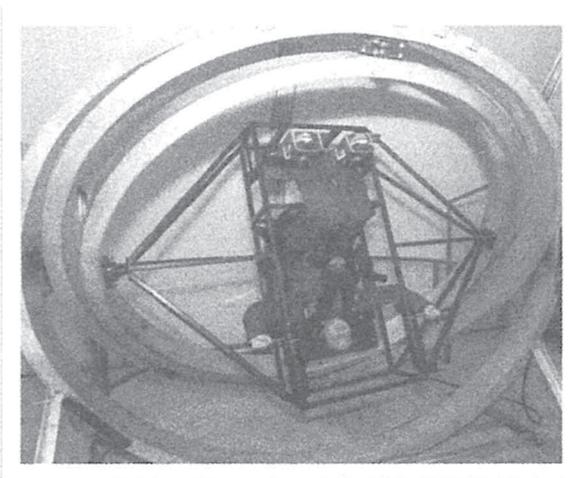


Fig 2: CCTV footage of incident

Cause of roof cracks: Falling branches
Cause of falling branches: Storm
Recommendations: Seal micro cracks on roof

Star Pod

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https://www.starpod.com/

Home Create

Latest News

 **Star Pod**
2 April at 10:12

Star Pod Adventure Camp® Star Pod Open Day

Star Pod's Open Day is coming your way, Space Trippers, so if you want to find out all about **Star Pod's Adventure Camp** why not come along to our Open Day?
There will be loads to do and loads of goodies.



The Open Day will be held later this month and we will have a very very very special **mystery special guest**.

Our VIP guests will have lunch with the **mystery special guest**.

Just as a teaser just now, can you guess who the mystery guest is?

- ❖ He or she is a champion in gymnastics.
- ❖ He or she has been in space.

Think you know who it is? Well watch this space for further details...

 Like  Comment  Share

 **Star Pod**
18 March at 16:45

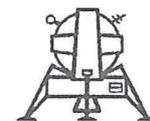
Exciting news!

Star Pod's Adventure Camps have been such a success that we are going to expand our operations. from two camps a year to four. So we will now have an **Adventure Camp** in March, May, August and November every year.

Sign up [here](#).

 Like  Comment  Share

Feasibility Assessment



Star Pod

Machine/Component: Replica Space Capsule

Background: One of the first projects that I worked on when I first joined Star Pod in 2005 was the purchase of the Replica Space Capsule from the US suppliers Canaveral Space Technologies (CST). This was a small firm. It only made a very small number of these capsules. CST then went out of business during the financial crisis of 2008. It is therefore extremely rare and would be difficult / impossible to replace if damaged.

Issue: Feasibility of moving

Findings:

Issue	Recommend moving?	Engineer's comments
Fragile	No	<ul style="list-style-type: none"> • General structure sound • Indications of stress fractures on the bottom part of the capsule

Recommendation: Based on the above, management should decline Locae's request.

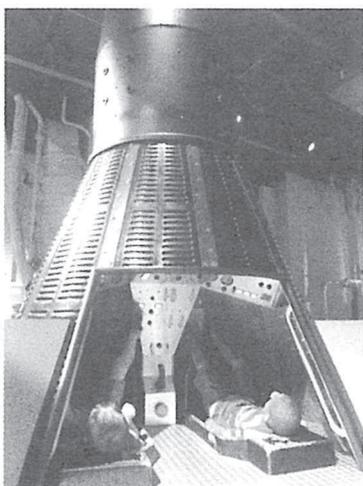


Fig 1: Replica Space Capsule at Star Pod Camp

THIS IS THE LAST PAGE OF THE PART B2 DATA FILE

Sources of materials used in this paper will be acknowledged in the *HKDSE Question Papers* booklet published by the Hong Kong Examinations and Assessment Authority at a later stage.