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MOKO MATAREITORU

Inahea ia i ora ai: I ora ai ia i te wāhanga tōmuri o te tuawā Cretaceous (68 mīriona tau ki mua)

Āhuatanga tinana: Ko te rahi o tōna mahunga i roto i ngā mähunga nui rawa ake o ngā kararehe i ora ai ki te whenua o te ao. He whakamīharo hoki tōna mähunga. I ai a e toru ngā pihi, me tētahi pare nui e tū teitei ana ki runga. Tāta nei toru mita tōna nui, ā āhua waru ki te iwa mita te roa o tōna tinana. I tū ana ia ki ngā waewae e whā.

Tōna oranga: I noho rōpū ia. E mōhio ana ngā mātai moko tuauri i tērā, nā te maha o ngā kōhiwihwihi moko matareitoru e takoto takitini ana.

Ōna kai: He kaitipu ia.

He pārongo anō nōna: Kua pākanga nui mai ngā moko ngarengare ki a ngā moko matareitoru. E maha ngā kōhiwihwihi kua tūherahia me ngā ngau e hono ana ki ngā niho o te moko ngarengare. I ētahi wā kua ārai ōna pihi i ngā mokongarengare, engari i ētahi wā kāore i angitū taua rautaki whakaparahau. Ki te ora tōnu te moko matareitoru i taua pākanga, ka tipu anō ōna pihi.

Māu e whakautu: Ki āu nei whakaaro, he aha te tūponotanga ka āraia ōna pihi i a ia i te moko ngarengare, kia ora ai ia?

KAIWHEKE

Inahea ia i ora ai: I ora ai ia i te wāhanga tōmuri o te tuawā Triassic (203 mīriona tau ki mua) tae noa atu ki te mutunga o te tuawā Cretaceous (65 mīriona tau ki mua)

Āhuatanga tinana: He pērā tōna tinana ki ngā moko-kakī-hiku-roa, engari he hoe ona ringa. I tipu ake ētahi kia tekau mā whitu te roa. He whāngote ia.

Tōna oranga: I kauhoe ana ia ki ngā wai a Tangaroa, engari ko tōna hāora ko ngā hā o Rangī. Kua hōhonu te ruku moana o ngā kaiwheke. E whakapono ana ngā mātai moko tuauri, he koi, he rata ngā kaiwheke. He tere ake tōna kauhoe i ngā mokotai.

Ōna kai: He ika, he weheke āna kai.

He pārongo anō nōna: Kua whai ētahi mātai moko tuauri i te mate pona kakā ki ētahi kōhiwihwihi kaiwheke.

Māu e whakautu: Tirohia tōna tinana, ā pōhewatia he aha ōna rautaki kauhoe. Ki au nei whakaaro he aha te take e tere ake tōna haere i ngā mokotai?

MOKO NGARENGARE

No tēhea whānau mokotuaui: No te whānau Theropod a Moko Ngarengare

Inahea ia i ora ai: I ora ai ia i te wāhanga tōmuri o te tuawā Cretaceous

Āhuatanga tinana: I tū teitei ia ki ngā waewae e rua, he tino kaha aua waewae. He iti rawa atu ōna ringa. He nui tōna ūpoko, haunga anō ko tōna kauae. He toimaha, he kaha tōna hiku.

Tōna oranga: Kua pōkai whānui i tōna whenua a moko ngarengare.

Ōna kai: Ko ōna kai ngā moko tuauri atu i a ia. I kīa ai te nuinga i te taumata a moko ngarengare i te raupapa kame. Heoī anō, e tautohe ana ētahi he hamuhamu tōna rautaki kai nui. Ko ētahi taunaki ko te nui o ōna pūtau rongo i tōna ihu. E whakapono ana ētahi ko te tino take o tēnei, kia rongo ai ia i ngā moko tuauri kua mate kē, ka whai ia i tōna ihu ki te kai.

He pārongo anō nōna: Ki te whati ōna niho, ka tipu anō ai he niho hou.

Māu e whakautu: E whakaaro ana koe he take anō pea o te kaha o tōna ihu ki te rongo mai i tōna Ao?

MOKO-TUAPAKA

Inahea ia i ora ai: I ora ai ia i te wāhanga tōmuri o te tuawā Jurassic (155-145 mīriona tau ki mua)

Āhuatanga tinana: Ko te āhuatanga e mōhiotia whānuitia e ia, ko te rārangi tara ki runga i tōna tuarā. Kua tipu rātou kia rua ira whitu mita te teitei i ētahi wā, ā āhua iwa mita te roa o tōna tinana. Ka whakatairite ngā kauputaiao i te nui o tōna ūpoko ki te nui o tōna tinana, ā he iti rawa atu tōna roro!

Tōna oranga: He āta haere tōna haere. E matapae ana ngā mātai moko tuauri kua patu mai ki a ia ngā moko tuauri nui atu. Hoi anō, hei whakaparahau nōna te tara ki tōna hiku.

Ōna kai: He kaitipu ia. Nā te mea e noho tata tōna kanohi ki a Papatūānuku, ākene pea ko ngā tipu iti, ko ngā taekai āna kai.

He pārongo anō nōna: E ai ki ngā mātai moko tuauri, hei āwhina ōna tara ki te whakatika i te pae mahana o tōna tinana. Ka mahana ngā kararehe e nui ana te tinana, engari mā ōna tara, ka whakaputa atu te mahana i tōna tinana.

Māu e whakautu: Nā te mea ko ngā kōiwi e takoto ana ki ngā pāpāranga oneone anake ngā taunaki o tōna hanga, kāore ngā mātai moko tuauri e mōhio pū kua pēhea te takotoranga o ōna tara. He whakaaro rerekē ki tēnā ki tēnā. He āha ōu whakaaro e pā ana ki te takotoranga o ōna tara, ā he aha ētahi rautaki hei ine ai i te tika o ō whakaaro?

MOKOTAI

Inahea ia i ora ai: I ora ai ia i te wāhanga tōmuri o te tuawā Cretaceous (95-65 mīriona tau ki mua)

Āhuatanga tinana: He pērā tōna tinana ki te marakihau, he rite tōna waha ki te karakotaera. He pērā ki ngā hoe ōna ringa, me ōna waewae.

Tōna oranga: I kauhoe ana ia ki ngā wai a Tangaroa, engari ko tōna hāora ko ngā hā o Rangī.

Ōna kai: Ko te nuinga o ōna kai, ko ngā uri ā-Tangaroa e āta kauhoe ana, pērā i ngā honu, me ngā kūtai rahinui. Engari ētahi wā kua kai hoki ngā mokotai i ngā mako, ngā kaiwheke me ngā manu.

He pārongo anō nōna: I te tau 2014, kua whai taunaki ngā mātai moko tuauri o ōna tae. He tae uri ki runga, he tae tea ki raro, pērā i ngā mako nui.

Māu e whakautu: Whakaarohia i ētahi kararehe e noho ana ki a Tangaroa i ēnei rā, me ngā rautaki e nekehia ana te tinana. He aha tō matapae, e rite ngā nekehanga o te mokotai ki a wai?

MOKO-KAKĪ-HIKU-ROA

Inahea ia i ora ai: I ora ai ia i te wāhanga tōmuri o te tuawā Jurassic

Āhuatanga tinana: Kua nui ake ētahi moko-kakī-hiku-roa i ngā kararehe katoa kua ora ai ki ngā whenua tēnei Ao. Kua tū rātou ki ngā waewae e whā. He tino roa te kakī, he tino roa te hiku.

Tōna oranga: E matapae ana ngā mātai-moko tuauri, kua noho kāhui ēnei moko, āhua rua-tekau te nui o aua kāhui. Kua kaitahi rātou, kua piritahi mō ngā haerenga, waihoki kua piritahi ki te moe.

Ōna kai: He kaitipu ngā moko-kakī-hiku-roa.

He pārongo anō nōna: Nā te roa o ō rātou kakī, ki a rātou anake ngā rau mai te taumata o ngā rākau, mai te kaurū o te ngāhere.

Māu e whakautu: Ki ōu nei whakaaro he aha ētahi painga o te piritahi ki ēnei moko tuauri, ahakoa ko rātou ngā mea nui rawa ake? He painga haumaruru? He painga ngākau? He painga rautaki ora?